# HITACHI

PA | No. 0131

## SERVICE MANUAL

NTSC | DP06 Chassis

**53SDX01B**
**61SDX01B**

**R/C: CLU-572TSI**

**TO GO TO A CHAPTER, CLICK ON ITS HEADING BELOW**

**CONTENTS**


SAFETY PRECAUTIONS . . . . . 3
SERVICING PRECAUTIONS . . . . . 6
TECHNICAL CAUTIONS . . . . . 10
SPECIFICATIONS . . . . . 11
CIRCUIT PROTECTION . . . . . 11
CAUTIONS WHEN CONNECTING/DISCONNECTING THE HV CONNECTOR . . . . . 12
GENERAL INFORMATION . . . . . 13
REMOTE CONTROL . . . . . 14
CUSTOMIZED PICTURE AND SOUND ADJUSTMENTS . . . . . 15
SERVICE ADJUSTMENTS . . . . . 22
AUDIO LEVEL DIAGRAM . . . . . 56
PROTECTION CIRCUIT BLOCK DIAGRAM . . . . . 57
TROUBLESHOOTING . . . . . 59
DC VOLTAGE TABLES . . . . . 67
WAVEFORMS . . . . . 79
BASIC CIRCUIT DIAGRAM . . . . . 82
PRINTED CIRCUIT BOARDS . . . . . 97
BLOCK DIAGRAM . . . . . 103
WIRING DIAGRAM . . . . . 104
CHASSIS WIRING DRAWING . . . . . 105
EXPLODED VIEW . . . . . 111
REPLACEMENT PARTS LIST . . . . . 112
QUICK REFERENCE PARTS LIST . . . . . 145


**CAUTION:** Before servicing this chassis, it is important that the service technician read the “Safety Precaution” and “Product Safety Notices” in this service manual.

**SAFETY NOTICE**
**USE ISOLATION TRANSFORMER WHEN SERVICING**

Components having special safety characteristics are identified by a ⚠ on the schematics and on the parts list in this Service Data and its supplements and bulletins. Before servicing the chassis, it is important that the service technician read and follow the “Safety Precautions” and “Product Safety Notices” in this Service Manual.

**SPECIFICATIONS AND PARTS ARE SUBJECT TO CHANGE FOR IMPROVEMENT**

# PROJECTION COLOR TELEVISION


**AUGUST 2000** **HHEA-MANUFACTURING DIVISION**

## SAFETY NOTICE
## USE ISOLATION TRANSFORMER WHEN SERVICING

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For continued X-Radiation protection, replace picture tube with original type or Hitachi approved equivalent type.

This Service Manual is intended for qualified service technicians; it is not meant for the casual do-it-yourselfer. Qualified technicians have the necessary test equipment and tools, and have been trained to properly and safely repair complex products such as those covered by this manual.
Improperly performed repairs can adversely affect the safety and reliability of the product and may void warranty. If you are not qualified to perform the repair of this product properly and safely, you should not risk trying to do so and refer the repair to a qualified service technician.

## WARNING

Lead in solder used in this product is listed by the California Health and Welfare agency as a known reproductive toxicant which may cause birth defects or other reproductive harm (California Health and Safety Code, Section 25249.5).

When servicing or handling circuit boards and other components which contain lead in solder, avoid unprotected skin contact with solder. Also, when soldering do not inhale any smoke or fumes produced.

This television receiver provides display of television closed captioning in accordance with section 15.119 of the FCC rules.

## FEDERAL COMMUNICATIONS COMMISSION NOTICE

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/television technician for help.

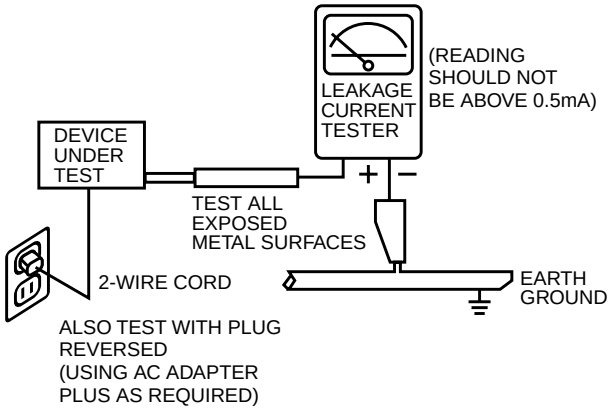
# SAFETY PRECAUTIONS

1. Before returning an instrument to the customer, always make a safety check of the entire instrument, including but not limited to the following items.
   a. Be sure that no built-in protective devices are defective and/or have been deleted during servicing. (1) Protective shields are provided on this chassis to protect both the technician and the customer. Correctly replace all missing protective shields, including any removed for servicing convenience. (2) When reinstalling the chassis and/or other assembly in the cabinet, be sure to put back in place all protective devices, including but not limited to, nonmetallic control knobs, insulating fishpaper, adjustment and compartment covers/shields, and isolation resistor/capacitor networks. **Do not operate this instrument or permit it to be operated without all protective devices correctly installed and functioning. Servicers who defeat safety features or fail to perform safety checks may be liable for any resulting damage.**

   b. Be sure that there are no cabinet openings through which an adult or child might be able to insert their fingers and contact a hazardous voltage. Such openings include, but are not limited to (1) spacing between the picture tube and cabinet mask, (2) excessively wide cabinet ventilation slots, and (3) an improperly fitted and/or incorrectly secured cabinet back cover.

   c. **Antenna Cold Check** – With the instrument AC plug removed from any AC source, connect an electrical jumper across the two AC plug prongs. Place the instrument AC switch in the on position. Connect one lead of an ohmmeter to the AC plug prongs tied together and touch the other ohmmeter lead in turn to each tuner antenna input, exposed terminal screw and, if applicable, to the coaxial connector. If the measured resistance is less than 1.0 megohms or greater than 5.2 megohms, an abnormality exists that must be corrected before the instrument is returned to the customer. Repeat this test with the instrument AC switch in the off position.

   d. **Leakage Current Hot Check** – With the instrument completely reassembled, plug the AC line cord directly into a 120V AC outlet. (Do not use an isolation transformer during this test.) Use a leakage current tester or a metering system that complies with American National Standards Institute (ANSI) C101.0 Leakage Current for Appliances and Underwriters Laboratories (UL) 1410, (50.7). With the instrument AC switch first in the on position and then in the off position, measure from a known earth ground (metal waterpipe, conduit, etc.) to all exposed metal parts of the instrument (antennas, handle bracket, metal cabinet, screw heads, metallic overlays, control shafts, etc.), especially any exposed metal parts that offer an electrical return path to the chassis. Any current measured must not exceed 0.5 milliamps. Reverse the instrument power cord plug in the outlet and repeat test.



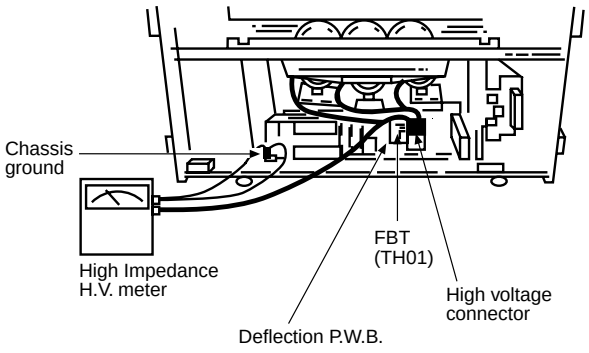

**AC Leakage Test**

**ANY MEASUREMENTS NOT WITHIN THE LIMITS SPECIFIED HEREIN INDICATE A POTENTIAL SHOCK HAZARD THAT MUST BE ELIMINATED BEFORE RETURNING THE INSTRUMENT TO THE CUSTOMER OR BEFORE CONNECTING THE ANTENNA OR ACCESSORIES.**

   e. **High Voltage –** This receiver is provided with a hold down circuit for clearly indicating that voltage has increased in excess of a predetermined value. Comply will all notes described in this Service Manual regarding this hold down circuit when servicing, so that this hold down circuit may correctly be operated.

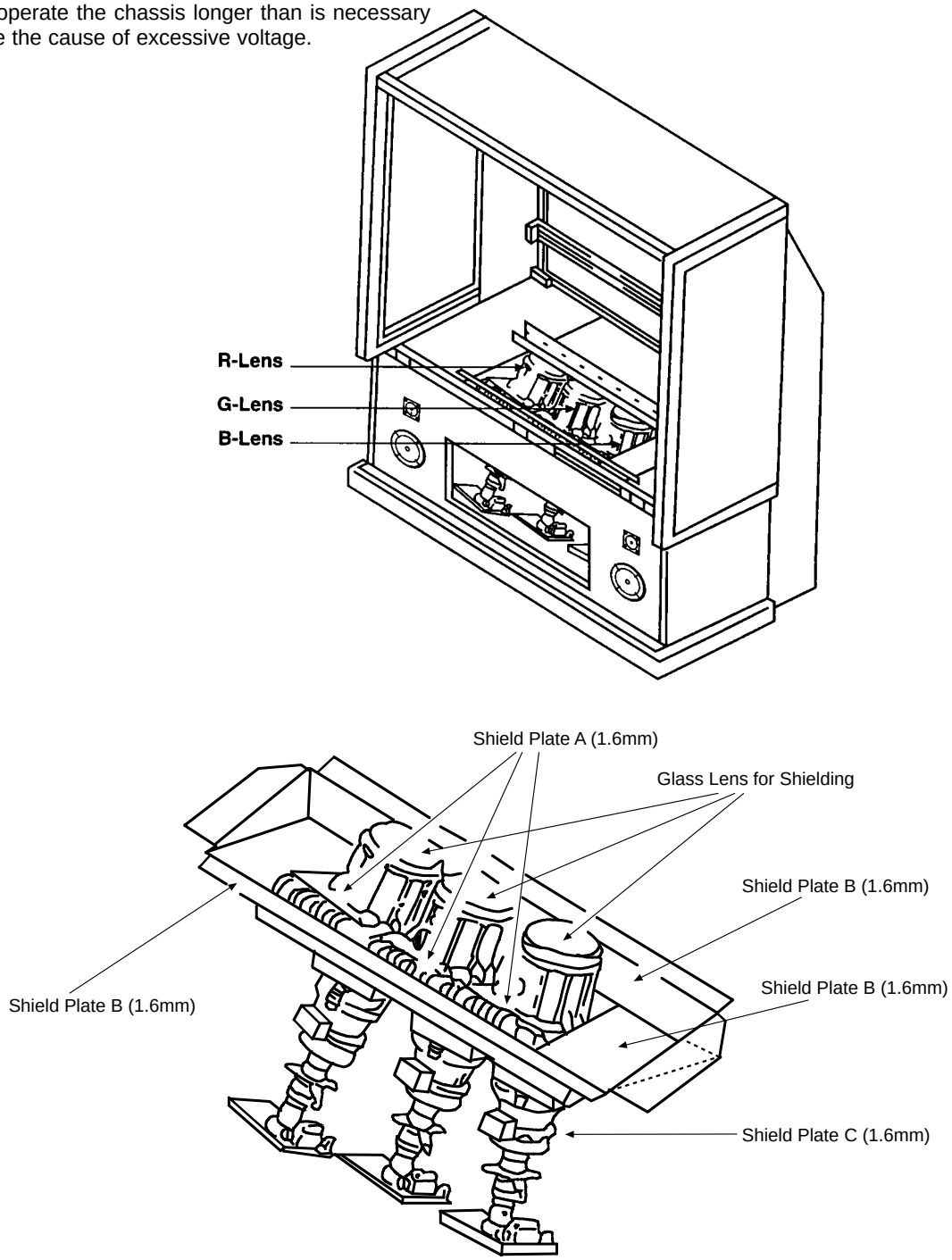
   f. **Service Warning –** With maximum contrast, operating high voltage in this receiver is lower than **31.5 kV.** In case any component having influence on high voltage is replaced, confirm that the high voltage with maximum contrast is lower than **31.5 kV.**
   To measure H.V. use a high impedance H.V. meter. Connect (-) to chassis earth and (+) to the CRT anode button. (See the following connection diagram.)

   **Note:** Turn power switch off without fail before the connection to the anode button is made.



g. **X-radiation – TUBE:** The primary source of X-radiation in this receiver is the picture tube. The tube utilized for the above mentioned function in this chassis is specially constructed to limit X-radiation emissions.
For continued X-radiation protection, the replacement tube must be the same type as the original, Hitachi approved type.
When troubleshooting and making test measurements in a receiver with a problem of excessive high voltage, avoid being unnecessarily close to the picture tube and the high voltage component.
Do not operate the chassis longer than is necessary to locate the cause of excessive voltage.

h. **X-radiation Shield –**
1. This receiver is provided with X-ray shield plates for protection against X-radiation. Do not remove X-ray shield plates A, B, or C shown in Fig. 1 unnecessarily, when troubleshooting and/or making test measurements.
2. To prevent X-radiation, after replacement of picture tube and lens, confirm these components to be fixed correctly to bracket and cabinet, and not to be taken off easily.




**Detailing X-radiation shield, ( ) plate thickness**

**Fig. 1. Installation of shield lens, shield cover and shield plates (oblique view).**

2. Read and comply with all caution and safety-related notes on or inside the receiver cabinet, on the receiver chassis, or on the picture tube.

3. **Design Alteration Warning** – Do not alter or add to the mechanical or electrical design of this TV receiver. Design alterations and additions including but not limited to circuit modifications and the addition of items such as auxiliary audio and/or video output connectors, might alter the safety characteristics of this receiver and create a hazard to the user. Any design alterations or additions may void the manufacturer's warranty and may make you, the servicer, responsible for personal injury or property damage resulting therefrom.

4. **Picture Tube Implosion Protection Warning** – The picture tube in this receiver employs integral implosion protection. For continued implosion protection, replace the picture tube only with one of the same type number. Do not remove, install, or otherwise handle the picture tube in any manner without first putting on shatterproof goggles equipped with side shields. People not so equipped must be kept safely away while picture tubes are handled. Keep the picture tube away from your body. Do not handle the picture tube by its neck.

5. **Hot Chassis Warning** – **a.** Some TV receiver chassis are electrically connected directly to one conductor of the AC power cord and may be safely serviced without an isolation transformer only if the AC power plug is inserted so that the chassis is connected to the ground side of the AC power source. Confirm that the AC power plug is inserted correctly with an AC voltmeter by measuring between the chassis and a known earth ground. If a voltage reading in excess of 1.0V is obtained, remove and reinsert the AC power plug in the opposite polarity and again measure the voltage potential between the chassis and a known earth ground. **b.** Some TV receiver chassis normally have 85V AC (RMS) between chassis and earth ground regardless of the AC plug polarity. These chassis can be safely serviced only with an isolation transformer inserted in the power line between the receiver and the AC power source, for both personnel and test equipment protection. c. Some TV receiver chassis have a secondary ground system in addition to the main chassis ground. This secondary ground system is not isolated from the AC power line. The two ground systems are electrically separated by insulating material that must not be defeated or altered.

6. Observe original lead dress. Take extra care to assure correct lead dress in the following areas: **a.** near sharp edges, **b.** near thermally hot parts – be sure that leads and components do not touch thermally hot parts, **c.** the AC supply, **d.** high voltage and **e.** antenna wiring. Always inspect in all areas for pinched, out-of-plate, or frayed wiring. Do not change spacing between components and the printed circuit board. Check AC power cord for damage.

7. Components, parts, and/or wiring that appear to have overheated or are otherwise damaged should be replaced with components, parts, or wiring that meet original specifications. Additionally, determine the cause of overheating and/or damage and, if necessary, take corrective action to remove any potential safety hazard.

8. **PRODUCT SAFETY NOTICE** – Many TV electrical and mechanical parts have special safety-related characteristics some of which are often not evident from visual inspection, nor can the protection they give necessarily be obtained by replacing them with components rated for higher voltage, wattage, etc. Parts that have special safety characteristics are identified in Hitachi service data by shading on schematics and by a ⚠ in the parts list. Use of substitute replacement that does not have the same safety characteristics as the recommended replacement part in Hitachi service data parts list might create shock, fire, and/or other hazards. Product safety is under review continuously and new instructions are issued whenever appropriate. For the latest information, always consult the appropriate current Hitachi service literature. A subscription to, or additional copies of service literature may be obtained at a nominal charge from Hitachi.

# SERVICING PRECAUTIONS

**CAUTION:** Before servicing instruments covered by this service data and its supplements and addenda, read and follow the SAFETY PRECAUTIONS on page 3 of this publication.

**NOTE:** If unforeseen circumstances create conflict between the following servicing precautions and any of the safety precautions on page 3 of this publication, always follow the safety precautions. Remember: Safety First.

**General Servicing Guidelines**

1. Always unplug the instrument AC power cord from the AC power source before:
   a. Removing or reinstalling any component, circuit board, module, or any other instrument assembly.

   b. Disconnecting or reconnecting any instrument electrical plug or other electrical connection.

   c. Connecting a test substitute in parallel with an electrolytic capacitor in the instrument.
      **CAUTION:** A wrong part substitution or incorrect polarity installation of electrolytic capacitors may result in an explosion hazard.

   d. Discharging the picture tube anode.

2. Test high voltage only by measuring it with an appropriate high voltage meter or other voltage measuring device (DVM, FETVOM, etc.) equipped with a suitable high voltage probe. Do not test high voltage by "drawing an arc." The H.V. Distribution Box has an internal 400MΩ resistor (bleeder resistor) connected from the high voltage to ground. After power is removed from the instrument the high voltage will discharge through the high voltage bleeder resistor. If the tubes have high voltage after power is removed, then the bleeder resistor is defective or the bleeder ground is disconnected.

3. Discharge the picture tube's anode at any of the R, G, or B outputs on the H.V. Distribution Box only by (a) first connecting one end of an insulated clip lead to the degaussing or kine aquadag grounding system shield at the point where the picture tube socket ground lead is connected, and then (b) touch the other end of the insulated clip lead to the picture tube high voltage distribution box R, G, or B output, using an insulated handle to avoid personal contact with high voltage.

4. Do not spray chemicals on or near this instrument or any of its assemblies.

5. Unless specified otherwise in these service data, clean electrical contracts by applying the following mixture to the contacts with a pipe cleaner, cotton-tipped stick or comparable nonabrasive applicator: 10% (by volume) Acetone and 90% (by volume) isopropyl alcohol (90%-99% strength).
   **CAUTION:** This is a flammable mixture. Unless specified otherwise in these service data, lubrication of contacts is not required.

6. Do not defeat any plug/socket B+ voltage interlocks with which instruments covered by this service data might be equipped.

7. Do not apply AC power to this instrument and/or any of its electrical assemblies unless all solid-state device heat-sinks are correctly installed.

8. Always connect the test instrument ground lead to the appropriate instrument chassis ground before connecting the test instrument positive lead. Always remove the test instrument ground lead last.

9. Use with this instrument only the test fixtures specified in this service data.
   **CAUTION:** Do not connect the test fixture ground strap to any heatsink in this instrument.

**Electrostatically Sensitive (ES) Devices**

Some semiconductor (solid state) devices can be damaged easily by static electricity. Such components commonly are called Electrostatically Sensitive (ES) Devices. Examples of typical ES devices are integrated circuits and some field-effect transistors and semiconductor "chip" components. The following techniques should be used to help reduce the incidence of component damage caused by static electricity.

1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any electrostatic charge on your body by touching a known earth ground. Alternatively, obtain and wear a commercially available discharging wrist strap device, which should be removed for potential shock reasons prior to applying power to the unit under test.

2. After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge buildup or exposure of the assembly.

3. Use only a grounded-tip soldering iron to solder or desolder ES devices.

4. Use only can anti-static type solder removal device. Some solder removal devices not classified as "anti-static" can generate electrical charges sufficient to damage ES device.

5. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ES devices.

6. Do not remove a replacement ES device from its protective package until immediately before you are ready to install it. (Most replacement ES devices are packaged with leads electrically shorted together by conductive foam, aluminum foil or comparable conductive material.)

7. Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.
   **CAUTION:** Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.

8. Minimize bodily motions when handling unpackaged replacement ES devices. (Otherwise harmless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate

**General Soldering Guidelines**

1. Use a grounded-tip, low-wattage soldering iron and appropriate tip size and shape that will maintain tip temperature within the range 500°F to 600°F.

2. Use an appropriate gauge of resin-core solder composed of 60 parts tin/40 parts lead.

3. Keep the soldering iron tip clean and well-tinned.

4. Thoroughly clean the surfaces to be soldered. Use a small wire-bristle (0.5 inch or 1.25 cm) brush with a metal handle. Do not use freon-propelled spray-on cleaners.

5. Use the following desoldering technique.
   a. Allow the soldering iron tip to reach normal temperature (500°F to 600°F).

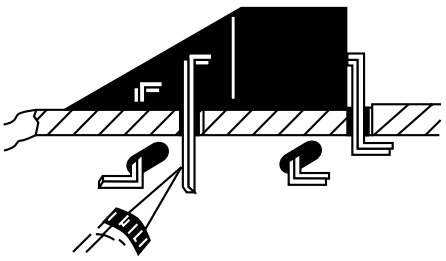
   b. Heat the component lead until the solder melts. Quickly draw away the melted solder with an anti-static, suction-type solder removal device or with solder braid.
      **CAUTION:** Work quickly to avoid overheating the circuit board printed foil.

6. Use the following soldering technique.
   a. Allow the soldering iron tip to reach normal temperature (500°F to 600°F).

   b. First, hold the soldering iron tip and solder strand against the component lead until the solder melts.

   c. Quickly move the soldering iron tip to the junction of the component lead and the printed circuit foil, and hold it there only until the solder flows onto and around both the component lead and the foil.
      **CAUTION:** Work quickly to avoid overheating the circuit board printed foil or components.

   d. Closely inspect the solder area and remove any excess or splashed solder with a small wire-bristle brush.



**Use Solding Iron to Pry Leads**

**IC Removal/Replacement**

Some Hitachi unitized chassis circuit boards have slotted holes (oblong) through which the IC leads are inserted and then bent flat against the circuit foil. When holes are the slotted type, the following technique should be used to remove and replace the IC. When working with boards using the familiar round hole, use the standard technique as outlined in paragraphs 5 and 6 above.

Removal

1. Desolder and straighten each IC lead in one operation by gently prying up on the lead with the soldering iron tip as the solder melts.

2. Draw away the melted solder with an anti-static suction-type solder removal device (or with solder braid) before removing the IC.

**Replacement**

1. Carefully insert the replacement IC in the circuit board.

2. Carefully bend each IC lead against the circuit foil pad and solder it.

3. Clean the soldered areas with a small wire-bristle brush. (It is not necessary to reapply acrylic coating to areas.)

**"Small-signal" Discrete Transistor Removal/Replacement**

1. Remove the defective transistor by clipping its leads as close as possible to the component body.

2. Bend into a "U" shape the end of each of three leads remaining on the circuit board.

3. Bend into a "U" shape the replacement transistor leads.

4. Connect to replacement transistor leads to the corresponding leads extending from the circuit board and crimp the "U" with long nose pliers to insure metal to metal contact, then solder each connection.

**Power Output Transistor Devices Removal/Replacements**

1. Heat and remove all solder from around the transistor leads.

2. Remove the heatsink mounting screw (if so equipped).

3. Carefully remove the transistor from the circuit board.

4. Insert new transistor in circuit board.

5. Solder each transistor lead, and clip off excess lead.

6. Replace heatsink.

**Diode Removal/Replacement**

1. Remove defective diode by clipping its leads as close as possible to diode body.

2. Bend the two remaining leads perpendicularly to the circuit board.

3. Observing diode polarity, wrap each lead of the new diode around the corresponding lead on the circuit board.

4. Securely crimp each connection and solder it.

5. Inspect (on the circuit board copper side) the solder joints of the two "original leads". If they are not shiny, reheat them and, if necessary, apply additional solder.

**Fuses and Conventional Resistor Removal/Replacement**

1. Clip each fuse or resistor lead at top of circuit board hollow stake.

2. Securely crimp leads of replacement component around stake 1/8 inch from top.

3. Solder the connections.
   **CAUTION:** Maintain original spacing between the replaced component and adjacent components and the circuit board, to prevent excessive component temperatures.

**Circuit Board Foil Repair**

Excessive heat applied to the copper foil of any printed circuit board will weaken the adhesive that bonds the foil to the circuit board, causing the foil to separate from, or "lift-off," the board. The following guidelines and procedures should be followed whenever this condition is encountered.

In Critical Copper Pattern Areas

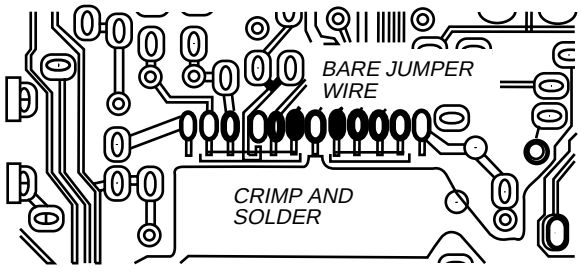
High component/copper pattern density and/or special voltage/current characteristics make the spacing and integrity of copper pattern in some circuit board areas more critical than in others. The circuit foil in these areas is designated as Critical Copper Pattern. Because Critical Copper Pattern requires special soldering techniques to ensure the maintenance of reliability and safety standards, contact your Hitachi personnel.

At IC Connections

To repair defective copper pattern at IC connections, use the following procedure to install a jumper wire on the copper pattern side of the circuit board. (Use this technique only on IC connections.)

1. Carefully remove the damaged copper pattern with a sharp knife. (Remove only as much copper as absolutely necessary.)

2. Carefully scratch away the solder resist and acrylic coating (if used) from the end of the remaining copper pattern.



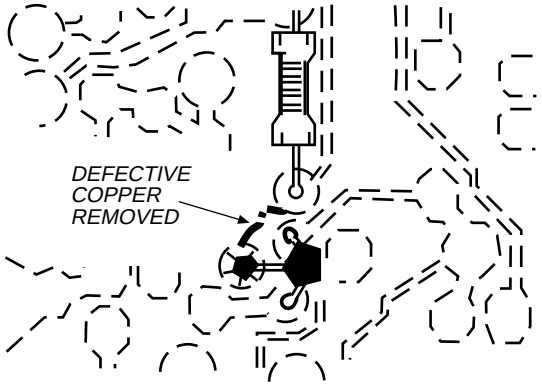

**Install Jumper Wire and Solder**

3. Bend a small "U" in one end of a small-gauge jumper wire and carefully crimp it around the IC pin. Solder the IC connection.

4. Route the jumper wire along the path of the cut-away copper pattern and let it overlap the previously scraped end of the good copper pattern. Solder the overlapped area, and clip off any excess jumper wire.

At Other Connections

Use the following technique to repair defective copper pattern at connections other than IC Pins. This technique involves the installation of a jumper wire on the component side of the circuit board.




**Insulated Jumper Wire**

1. Remove the defective copper pattern with a sharp knife. Remove at least 1/4 inch of copper, to ensure hazardous condition will not exist if the jumper wire opens.

2. Trace along the copper pattern from both wire sides of the pattern break and locate the nearest component directly connected to the affected copper pattern.

3. Connect insulated 20-gauge jumper wire from the nearest component on one side of the pattern break to the lead of the nearest component on the other side.
   Carefully crimp and solder the connections.
   **CAUTION:** Be sure the insulated jumper wire is dressed so that it does not touch components or sharp edges.

**Frequency Synthesis (FS) Tuning Systems**

1. Always unplug the instrument AC power cord before disconnecting or reconnecting FS tuning system cables and before removing or inserting FS tuning system modules.

2. The FS tuner must never be disconnected from the FS tuning control module while power is applied to the instrument.

3. When troubleshooting intermittent problems that might be caused by defective cable connection(s) to the FS tuning system, remove the instrument AC power as soon as the defective connector is found and finish confirming the bad connection with a continuity test. This procedure will reduce the probability of electrical overstress of the FS system semi-conductor components.

**NOTE:** ***These components are affixed with glue. Be careful not to break or damage any foil under the component or at the pins of the ICs when removing. Usually applying heat to the component for a short time while twisting with tweezers will break the component loose.***

## Leadless Chip Components (surface mount)

Chip components must be replaced with identical chips due to critical foil track spacing. There are no holes in the board to mount standard transistors or diodes. Some chip capacitor or resistor board solder pads may have holes through the board, however the hole diameter limits standard resistor replacement to 1/8 watt. Standard capacitors may also be limited for the same reason. It is recommended that identical chip components be used. .

Chip resistors have a three digit numerical resistance code -1st and 2nd significant digits and a multiplier. Example: 162 = 1600 or 1.6KΩ resistor, 0 = 0Ω (jumper).

Chip capacitors generally do not have the value indicated on the capacitor. The color of the component indicates the general range of the capacitance.

Chip transistors are identified by a two letter code. The first letter indicates the type and the second letter, the grade of transistor.

Chip diodes have a two letter identification code as per the code chart and are a dual diode pack with either

common anode or common cathode. Check the parts list for correct diode number.

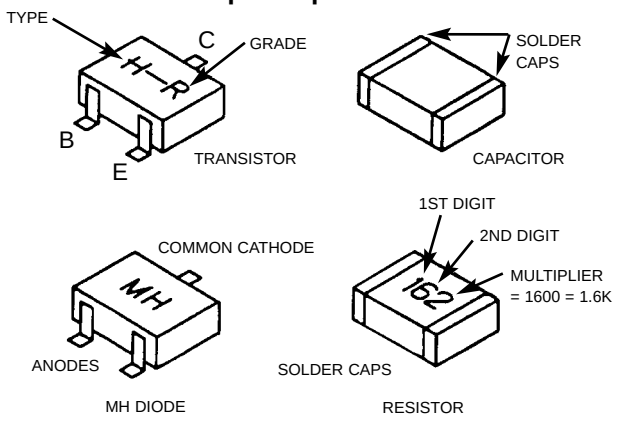
## Component Removal

1. Use solder wick to remove solder from component end caps or terminals.
2. Without pulling up, carefully twist the component with tweezers to break the adhesive.
3. Do not reuse removed leadless or chip components since they are subject to stress fracture during removal .

## Chip Component Installation

1. Put a small amount of solder on the board soldering pads.
2. Hold the chip component against the soldering pads with tweezers or with a miniature alligator clip and apply heat to the pad area with a 30 watt iron until solder flows. Do not apply heat for more than 3 seconds

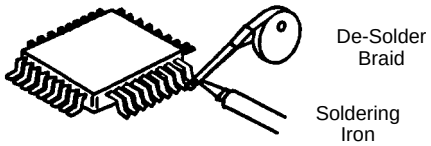
**Chip Components**



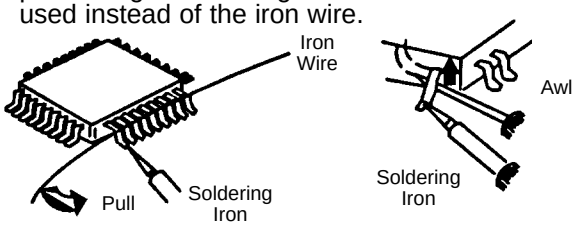

## How to Replace Flat-IC —Required Tools—

- Soldering iron
- De-solder braids
- iron wire or small awl
- Magnifier

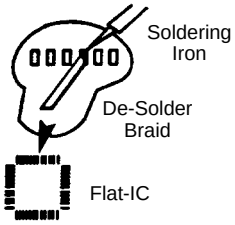
1. Remove the solder from all of the pins of a Flat-IC by using a de-solder braid.



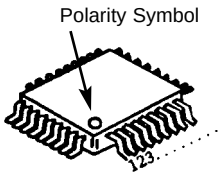

2. Put the iron wire under the pins of the Flat-IC and pull it in the direction indicated while heating the pins using a soldering iron. A small awl can be used instead of the iron wire.



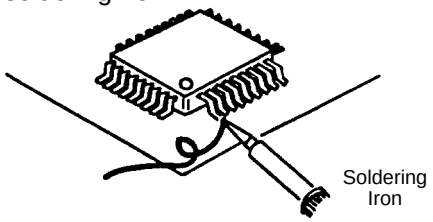

3. Remove the solder from all of the pads of the Fiat-IC by using a de-solder braid.



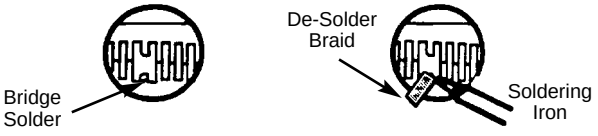

4. Position the new Flat-IC in place (apply the pins of the Flat-IC to the soldering pads where the pins need to be soldered). Properly determine the positions of the soldering pads and pins by correctly aligning the polarity symbol.




5. Solder all pins to the soldering pads using a fine tipped soldering iron.



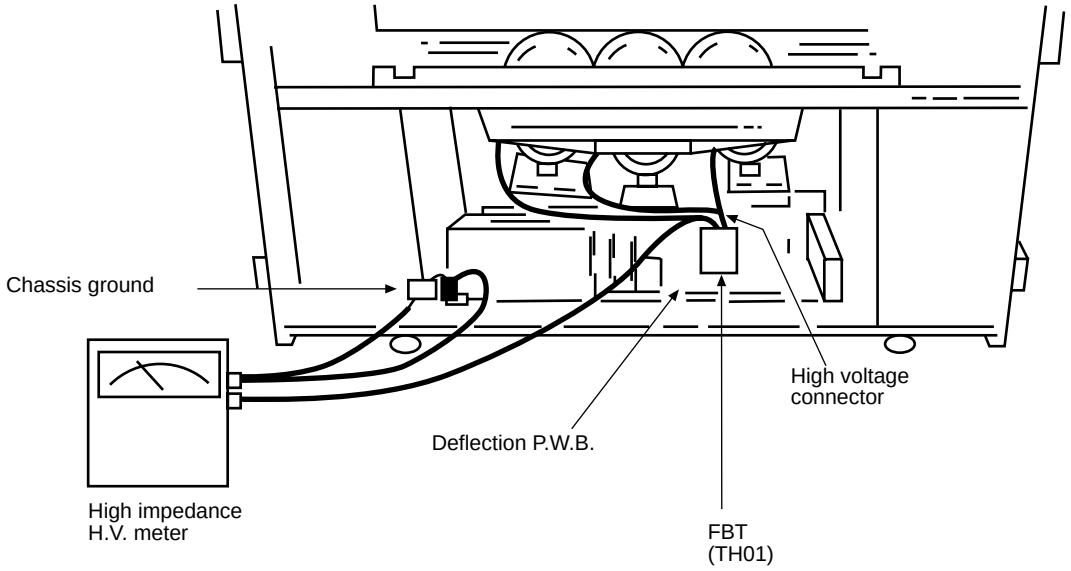

6. Check with a magnifier for solder bridge between the pins or for dry joint between pins and soldering pads. To remove a solder bridge, use a de-solder braid as shown in the figure below.



# TECHNICAL CAUTIONS

**High Voltage limiter circuit operation check.**

1. Turn off TV and connect jig as shown in Figure 2. Adjust jig fully counter-clockwise for minimum resistance.
2. Set the AC input to 120V AC and turn on TV.
3. Confirm test pattern on CRT is a usable picture, then slowly adjust jig until the picture disappears and TV shuts down.
4. When the limiter circuit is operating properly, High Voltage will be less than 31.5 kV at 1.7mA when TV shuts down.
5. Turn off set immediately after checking circuit operation.
6. Unplug set for one minute to reset shutdown circuit. Remove jig and voltmeter.



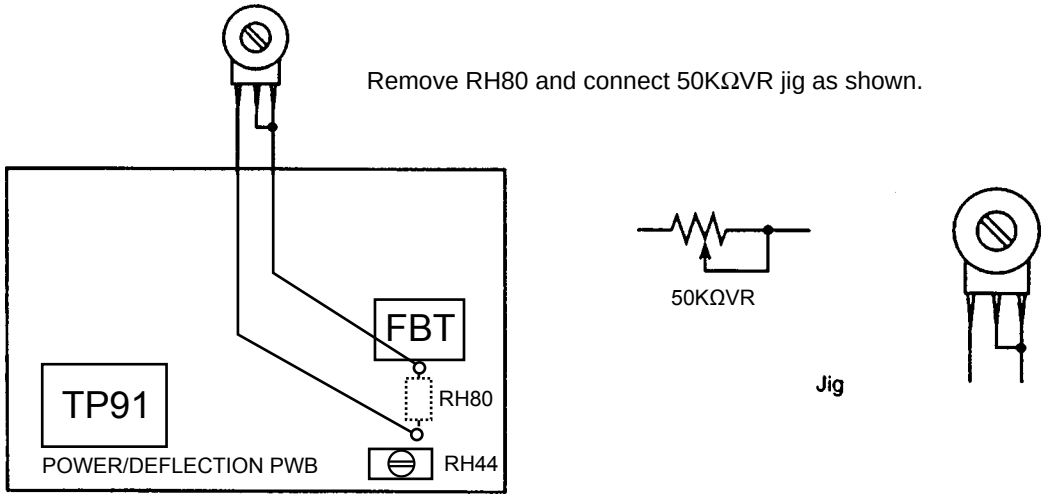




**Fig. 2. Deflection/Power P.W.B.**

## SPECIFICATIONS

| | |
|---|---|
| **Model:** | 53SDX01B<br>61SDX01B |
| **Cathode-Ray Tube:** | R=P16LFM00RFA(LU)<br>G=P16LFM00HHA(LU)<br>B=P16LFM00BMB(EU) |
| **Power Input:** | 120 volts AC, 60 Hz |
| **Power Consumption:** | 276 Watts - Maximum<br>228 Watts - Operating |
| **Antenna Impedance:** | 75 Ohm Unbalanced<br>VHF / UHF / CATV |

**Receiving Channel:**

| BAND | CH |
|---|---|
| VHF | 2~13 |
| UHF | 14~69 |
| EXT. Mid | (A-5)~(A-1), 4+ |
| CATV Mid. | A~I |
| CATV Super | J~W |
| CATV Hyper | (W+1)~(W+28) |

| | |
|---|---|
| **Intermediate Frequency:** | Picture I-F Carrier 45.75 MHz<br>Sound I-F Carrier 41.25 MHz<br>Color Sub Carrier 42.17 MHz |
| **Video Input:** | 1 Volt p-p, 75 Ohm<br>1 Volt p-p, 75 Ohm (Y)<br>0.7 Volt p-p, 75 Ohm, ($P_B$, $P_R$) |
| **Video Output:** | 1 Volt p-p, 75 ohm |
| **Audio Input:** | 470 mVrms, 47 k Ohm |
| **Stereo Audio Output:** | 470 mVrms, 1 k Ohm |

**Audio Output Power:**

Front: 12 watts per channel at 10% distortion,
8 ohm Impedance. Max output – 15 watts.
Rear: 12 Watts per channel at 10% distortion,
8 ohm impedance. Max output - 15 watts.
Center: 12 watts per channel at 10% distortion,
8 ohm impedance. Max output - 15 watts.

| | | |
|---|---|---|
| **Anode Voltage:** | 30 ± 1.5kv (1.5±0.2mA) | |
| **Brightness:** | **53SDX01B** | 200 cd/$m^2$ |
| | **61SDX01B** | 150 cd/$m^2$ |
| | (white screen) | |
| **Speakers:** | 2 Woofers - 5 inch (120 mm) round<br>2 Tweeters - 2 inch (50 mm) round<br>2 Center Speakers - 4 inch (100 mm) round | |

| **Dimension:** | 61SDX01B | 53SDX01B |
|---|---|---|
| Height (in.) | 61 1/4 | 53 3/4 |
| Width (in.) | 52 1/2 | 46 |
| Depth (in.) | 28 7/8 | 26 1/4 |
| Weight (lbs.) | 244 | 234 |

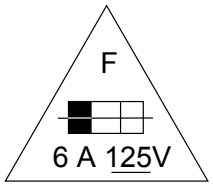
**Circuit Board Assemblies:**

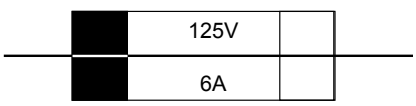
| | |
|---|---|
| C.P.T. (B) P.W.B. | Terminal P.W.B. |
| C.P.T. (G) P.W.B. | VM P.W.B. |
| C.P.T. (R) P.W.B. | Surround P.W.B. |
| Audio Out P.W.B. | Power/Deflection P.W.B. |
| 2 H P.W.B. | Control P.W.B. |
| Power Supply P.W.B. | Control Sub P.W.B. |
| Signal P.W.B. | Sensor Distribution P.W.B. |
| | Sub Deflection P.W.B. |

## CIRCUIT PROTECTION

**CAUTION:** Below is an EXAMPLE only. See Replacement Parts List for details. The following symbol near the fuse indicates fast operation fuse (to be replaced). Fuse ratings appear within the symbol.

Example:



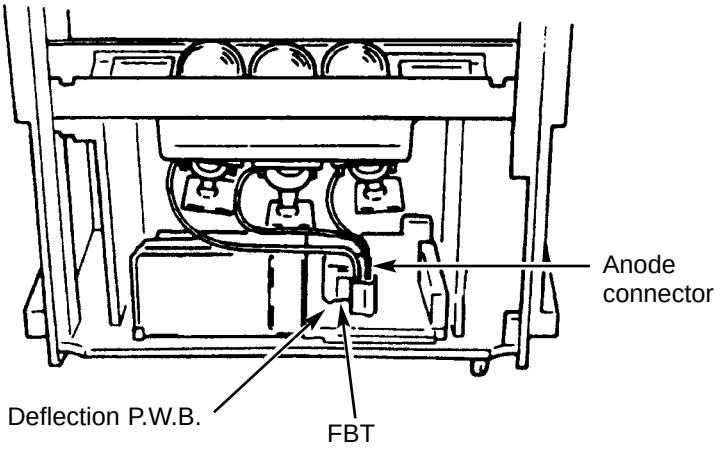




**"RISK OF FIRE - REPLACE FUSE AS MARKED"**

The rating of fuse F901 is 6.0A - 125V.
Replace with the same type fuse for continued protection against fire.

## CAUTIONS WHEN CONNECTING / DISCONNECTING THE HV CONNECTOR

Perform the following when the HV connector (anode connector) is removed or inserted for CPT replacement, etc.



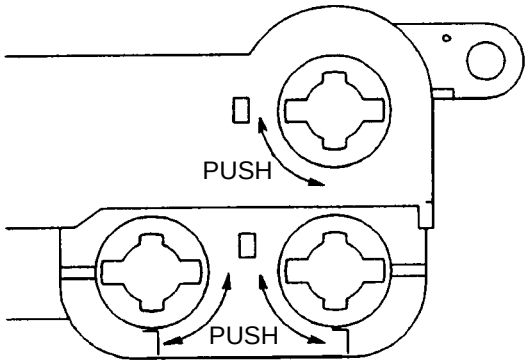




**Fig. A**

**During Removal**

1. Roll out silicon cover from FBT's contact area slowly.
2. While turning the connector about 90 degrees following the arrow (0 position), push the connector slightly towards the case. (Fig. A)
3. Remove the connector slowly by pulling it away from the case.

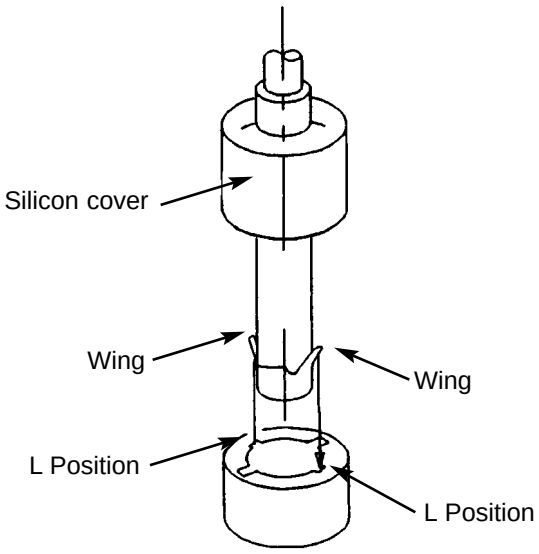


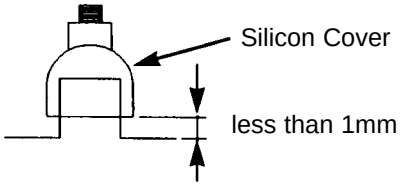

**Fig. B**

**During Insertion**

1. Please refer to direction for insertion as shown in Fig. B (L position). Insert connector until "CLICK" sound is heard.
2. Make sure the connector is pressed right in, so that it has a good contact with the spring.
3. Confirm the contact by pulling the connector slightly. (Don't pull hard because it may damage the connector).
4. Cover the high voltage output by carefully pushing silicon cover onto it. (Don't turn the connector).

(REMARK)

1. Make sure the silicon cover is covering the high voltage output.



# GENERAL INFORMATION

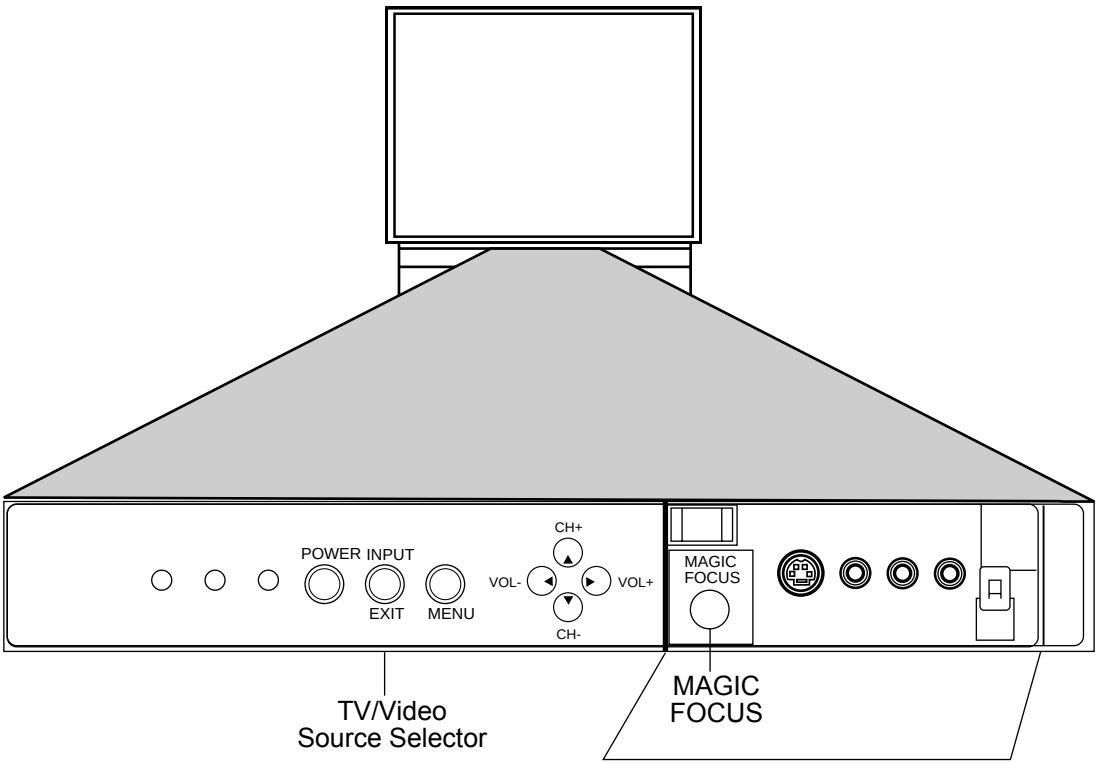



Fig. 3. Front Control Panel

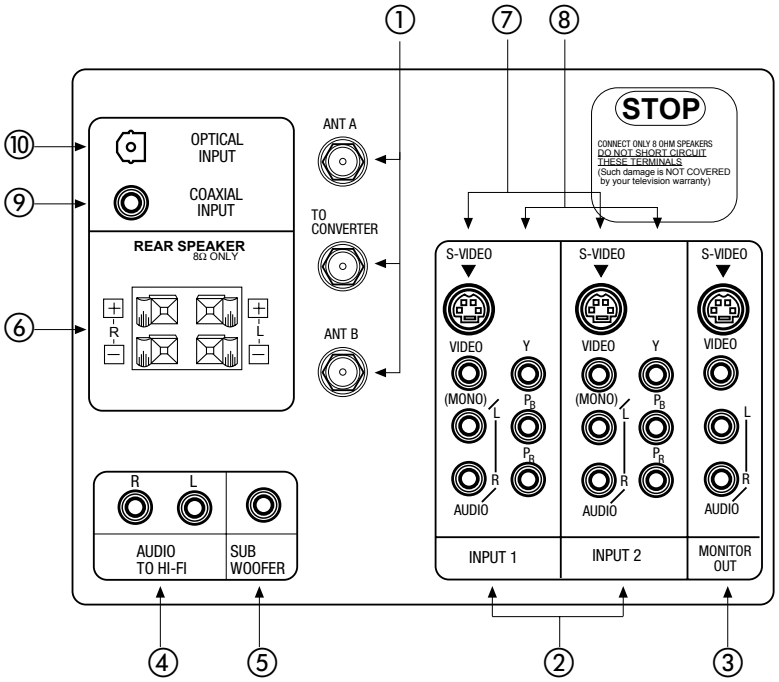



Fig. 4. Rear Panel Jacks

① Antenna Input/Output

② Audio/Video Inputs 1, 2

③ Monitor Out

④ Audio to Hi-Fi

⑤ Sub Woofer

⑥ Rear Speaker Output Terminals

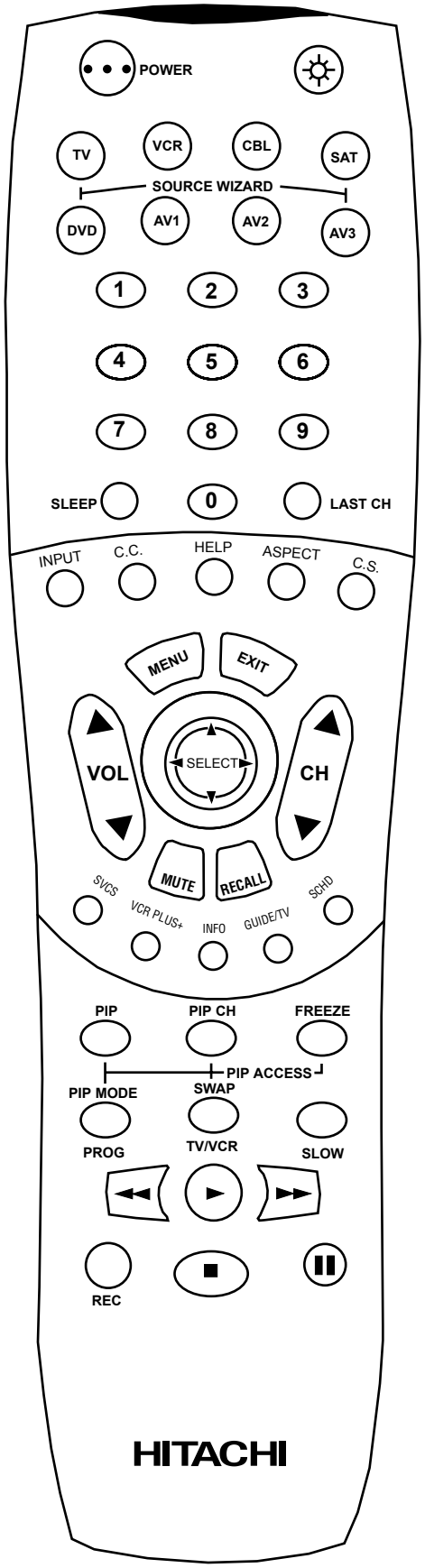
⑦ S-Video Inputs 1 and 2

⑧ Component Inputs Y-$P_BP_R$

⑨ COAXIAL INPUT

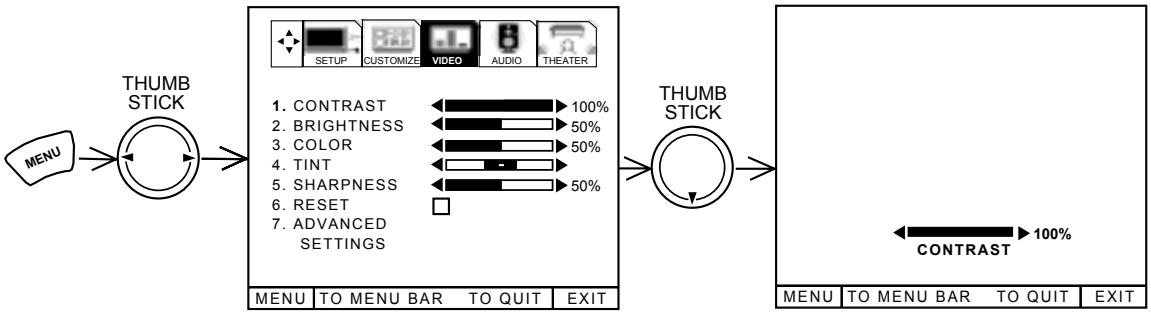
⑩ OPTICAL INPUT

# USE THE REMOTE TO CONTROL YOUR TV



# CUSTOMIZED PICTURE AND SOUND ADJUSTMENTS

Select VIDEO to adjust picture settings and improve picture quality.

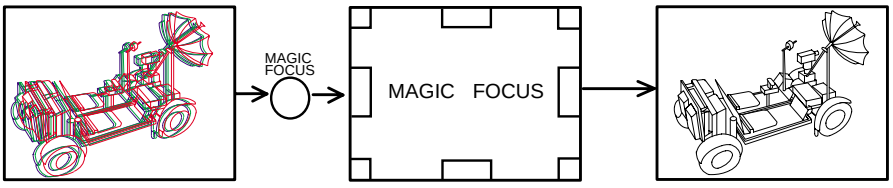



Use the THUMB STICK ▲ or ▼ to highlight the function to be adjusted.
Press the THUMB STICK ◄ or ► to adjust the function.
Press EXIT to quit menu.

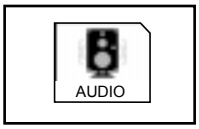
| | |
|---|---|
| **CONTRAST** | Use this function to change the contrast between black and white levels in the picture. This adjustment will only affect the picture when ADVANCED SETTINGS ULTRA AI is OFF. |
| **BRIGHTNESS** | Use this function to adjust overall picture brightness. |
| **COLOR** | Use this function to adjust the level of color in the picture. |
| **TINT** | Use this function to adjust flesh tones so they appear natural. (See notes below.) |
| **SHARPNESS** | Use this function to adjust the amount of fine detail in the picture. |
| **RESET** | When RESET is selected, press down on THUMB STICK ► to return video adjustments to factory preset conditions. |

**NOTE:**
1. It may be necessary to adjust TINT to obtain optimum picture quality when using the COMPONENT: Y-$P_BP_R$ Input jacks.
2. If you are using the COMPONENT VIDEO input jacks (Y-$P_BP_R$) and notice that the TINT and COLOR are abnormal, check to make sure that COMPONENT SET-COLOR SYSTEM is set properly.

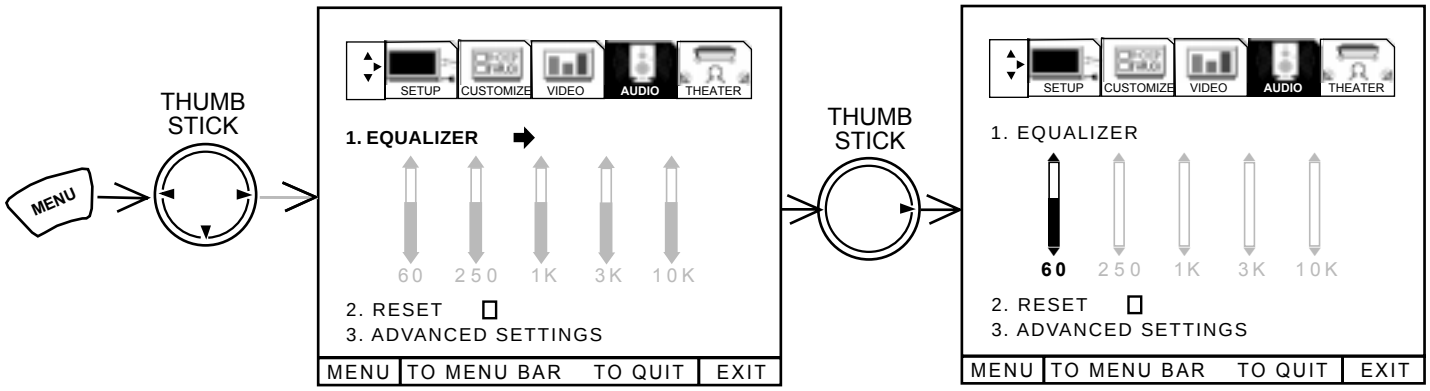
Press the front panel MAGIC FOCUS button momentarily for auto setup.




To adjust manually, press and hold the MAGIC FOCUS button until CENTER MODE or STATIC MODE is displayed. Press EXIT on the remote to select red or blue. Green is stationary. Use the THUMB STICK to adjust. Center mode only adjusts the center section. Static mode adjusts the entire screen. **Note:** This new data is in RAM memory only and will be lost if the MAGIC FOCUS button is pressed again.




Select AUDIO to adjust the TV to your preference and to improve the sound quality.

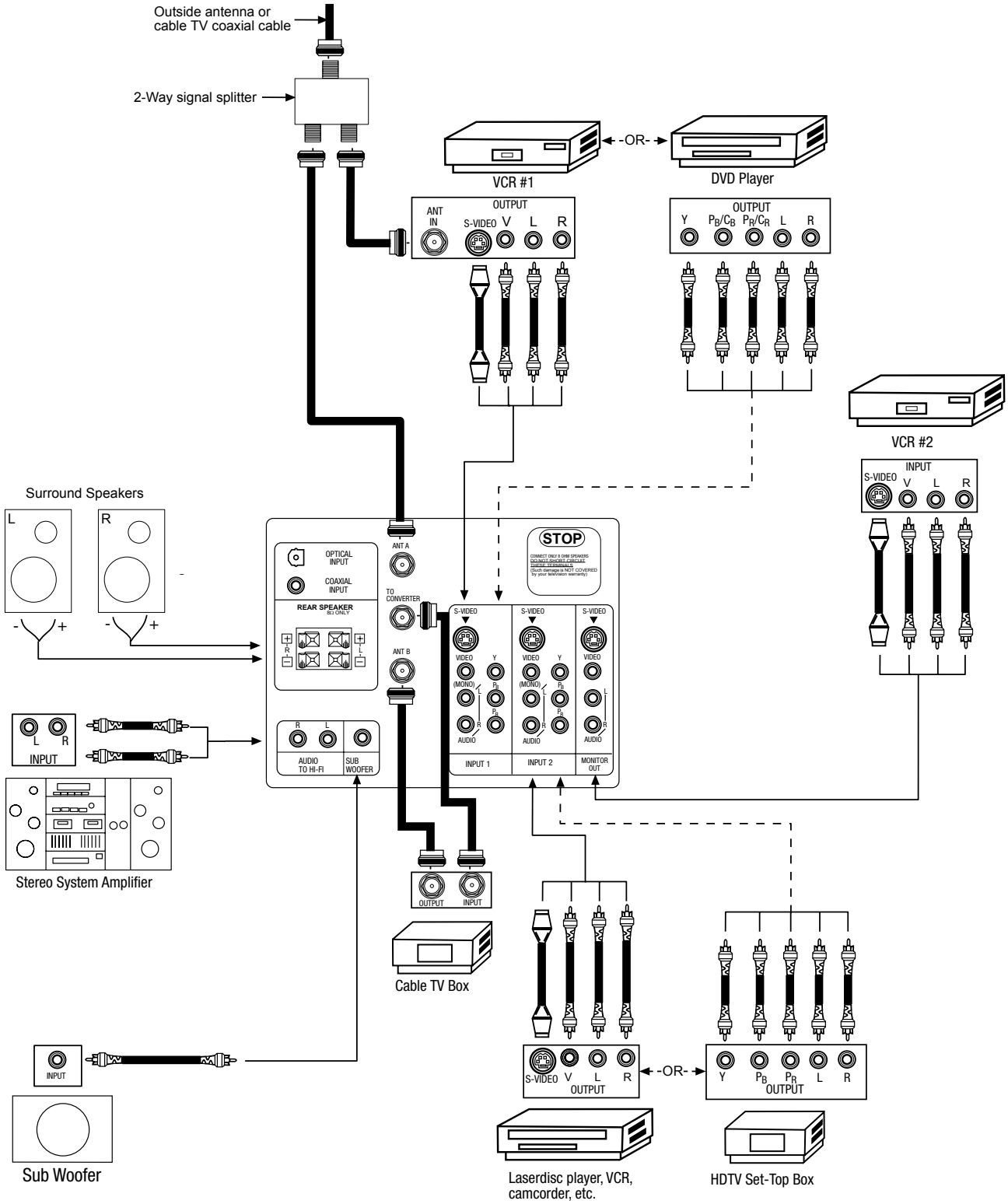



Use THUMB STICK ▲ or ▼ to highlight the function to be adjusted.
When EQUALIZER is highlighted, press THUMB STICK ▶ to select the frequency you would like to adjust (60, 250, 1K, 3K or 10K).
Then use THUMB STICK ▲ or ▼ to adjust selected frequency.
When RESET is highlighted, press down on THUMB STICK to reset EQUALIZER settings to factory conditions.
Press EXIT to quit menu.

**NOTE:** When DYNAMIC BASS is turned ON, the 60Hz level signal will automatically be increased.

# REAR PANEL CONNECTIONS

## TYPICAL FULL-FEATURE SETUP

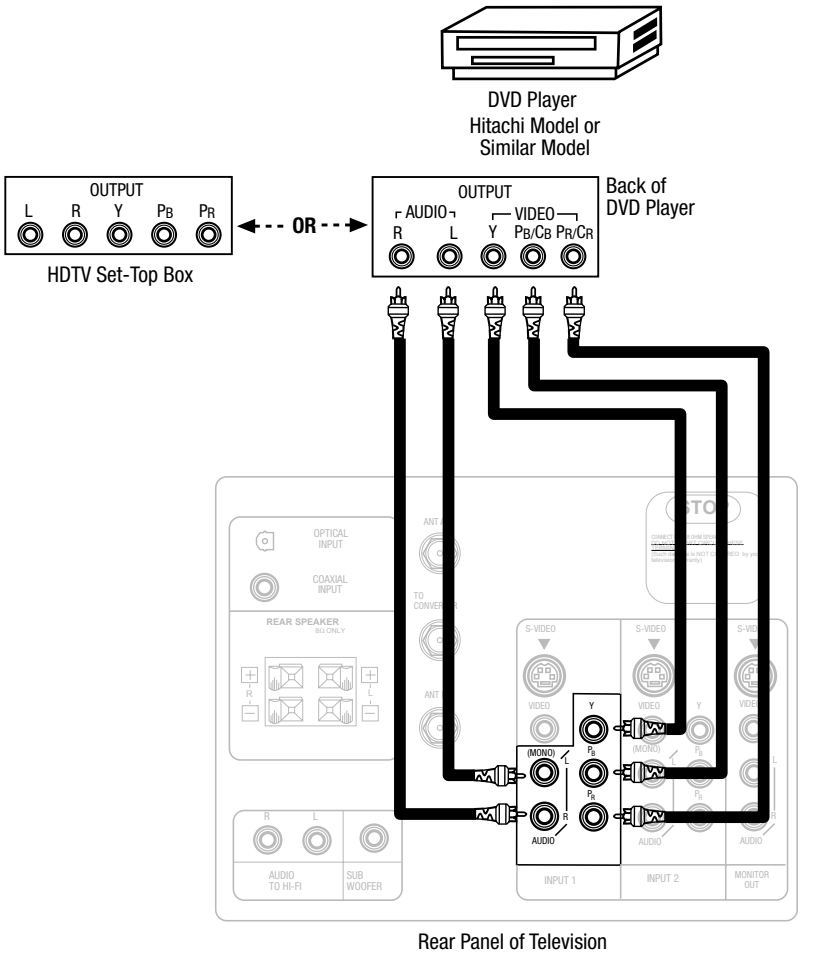



**NOTE:**
1. Connect only 1 component to each input jack.
2. Follow connections that pertain to your personal entertainment system.

# CONNECTING EXTERNAL VIDEO SOURCES

**CONNECTING A STEREO LASERDISC/DVD PLAYER OR HDTV SET TOP BOX TO INPUT 1 OR 2 COMPONENT: Y-$P_BP_R$.**

1. Connect the cable from the Y OUT of the Laserdisc/DVD player or HDTV set top box to the INPUT (Y) jack, as shown on the TV set below.
2. Connect the cable from the $C_B/P_B$ OUT or B-Y OUT of the Laserdisc/DVD player or HDTV set top box to the INPUT ($P_{B)}$ jack.
3. Connect the cable from the $C_R/P_R$ OUT or R-Y OUT of the Laserdisc/DVD player or HDTV set top box to the INPUT ($P_R$) jack.
4. Connect the cable from the AUDIO OUT R of the Laserdisc/DVD player or HDTV set top box to the INPUT (AUDIO/R) jack.
5. Connect the cable from the AUDIO OUT L of the Laserdisc/DVD player or HDTV set top box to the INPUT (AUDIO/L) jack.
6. Press the INPUT button, to view the program from the Laserdisc/DVD player or HDTV set top box. The VIDEO icon disappears automatically after approximately eight seconds.
7. Press the INPUT button to return to the previous channel.




**NOTE:** Completely insert the connection cord plugs when connecting to rear panel jacks. The picture and sound that is played back will be abnormal if the connection is loose.

# CONNECTING EXTERNAL VIDEO SOURCES

**CONNECTING A DVD PLAYER OR HDTV SET TOP BOX WITH DOLBY DIGITAL OPTICAL OUTPUT TO INPUT 1 or 2**
**COMPONENT: Y-$P_BP_R$**

1. Connect the cable from the Y OUT of the DVD player or HDTV Set Top Box to the INPUT (Y) jack, as shown on the TV set below.

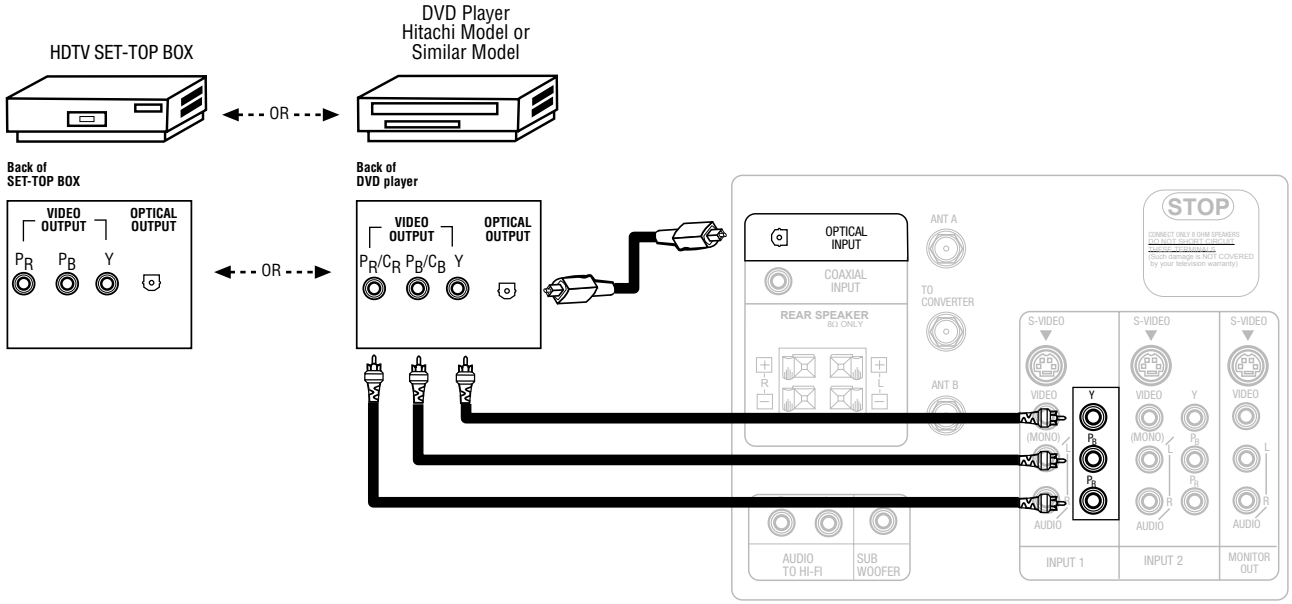
2. Connect the cable from the $C_B/P_B$ OUT or B-Y OUT of the DVD player or HDTV Set Top Box to the INPUT ($P_B$) jack.

3. Connect the cable from the $C_R/P_R$ OUT or R-Y OUT of the DVD player or HDTV Set Top Box to the INPUT ($P_R$) jack.

4. Connect the cable from the OPTICAL OUTPUT of the DVD player or HDTV Set Top Box to the OPTICAL INPUT jack.

5. Press the INPUT button, to view the program from the DVD player or HDTV Set Top Bx. The VIDEO icon disappears automatically after approximately eight seconds.

6. Press the INPUT button to return to the previous channel.




**NOTES:**
1. Completely insert the connection cord plugs when connecting to rear panel jacks. The picture and sound that is played back will be abnormal if the connection is loose.
2. If your device is connected to INPUT 1 component jacks, make sure to select VID1-OPTICAL from the THEATER-INPUT SOURCE menu. If it is connected to INPUT 2 component jacks, make sure to select VID2-OPTICAL from the THEATER-INPUT SOURCE menu.

**CONNECTING A DVD PLAYER OR HDTV SET TOP BOX WITH DOLBY DIGITAL COAXIAL OUTPUT TO INPUT 1 or 2**
**COMPONENT: Y-$P_BP_R$**

1. Connect the cable from the Y OUT of the DVD player or HDTV Set Top Box to the INPUT (Y) jack, as shown on the TV set below.

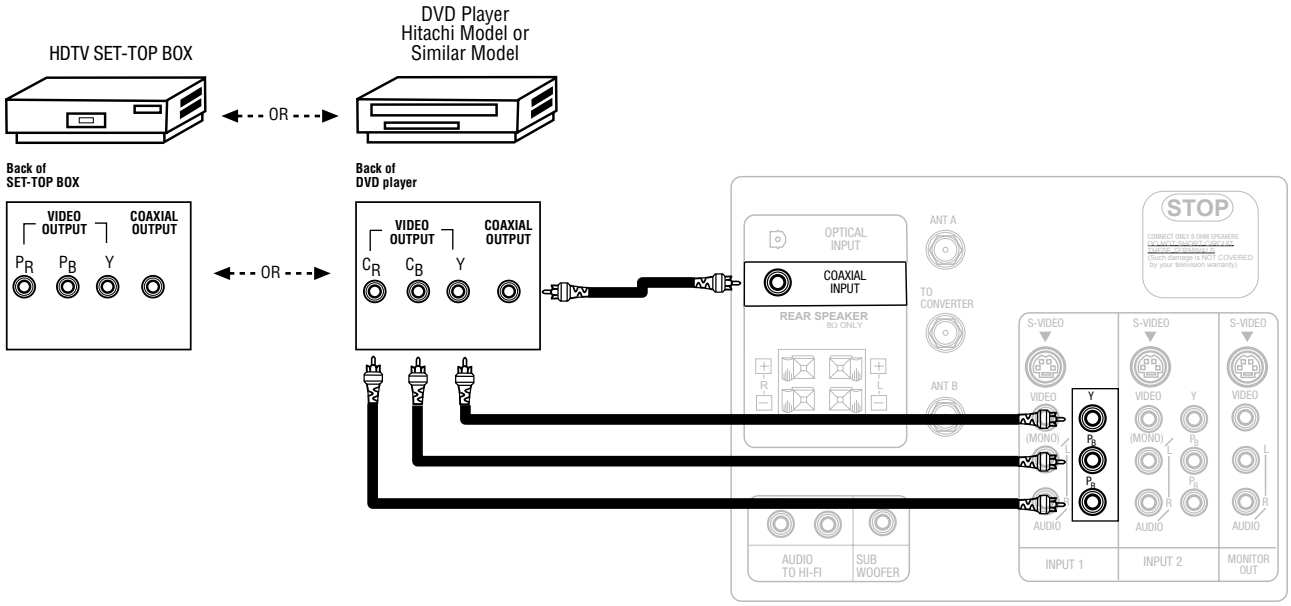
2. Connect the cable from the $C_B/P_B$ OUT or B-Y OUT of the DVD player or HDTV Set Top Box to the INPUT ($P_B$) jack.

3. Connect the cable from the $C_R/P_R$ OUT or R-Y OUT of the DVD player or HDTV Set Top Box to the INPUT ($P_R$) jack.

4. Connect the cable from the COAXIAL OUTPUT of the DVD player or HDTV Set Top Box to the COAXIAL INPUT jack.

5. Press the INPUT button, to view the program from the DVD player or HDTV Set Top Bx. The VIDEO icon disappears automatically after approximately eight seconds.

6. Press the INPUT button to return to the previous channel.




**NOTE:**

1. Completely insert the connection cord plugs when connecting to rear panel jacks. The picture and sound that is played back will be abnormal if the connection is loose.

2. If your device is connected to INPUT 1 component jacks, make sure to select VID1-COAXIAL (DIGITAL) from the THEATER-INPUT SOURCE menu. If it is connected to INPUT 2 component jacks, make sure to select VID2-COAXIAL (DIGITAL) from the THEATER-INPUT SOURCE menu.

# FEATURE INFORMATION

As the digital era dawns, Hitachi has models that provide the best possible images today...and tomorrow. Our HDTV Ready SDX model incorporates new Flex Converter technology to display a high quality 720P (high definition scanning) or 480P (progressive scanning) image; this same circuitry enables it to accept a full 1080i HDTV signal from a digital set-top box now or in the future.

**FLEX CONVERTER TECHNOLOGY**

With current analog broadcasts, there is just one level of picture quality. In the new age of digital TV, there will be several levels. The highest, called HDTV, can be as high as 1080i.The next level, called HDTV, can be 720P. The standard level, SDTV, can be 480P or 480i. Hitachi has developed the Flex Converter, advanced circuitry that allows your UltraVision SDX series television to produce true 1080i HDTV resolution with an HDTV set-top box, It converts digital 720P signals to 480P and also converts analog 480i signals to the higher-quality 480P signals with no scan lines or flicker. The SDX needs a set-top box to receive any Digital Signal.

**COMPONENT VIDEO**

Component Video inputs accept separate blue, red & B/W signals from a high resolution digital source as DVD or digital set-top box to provide a higher resolution picture.

**3DYC (DIGITAL 3DYC COMB FILTER)**

The Digital 3DYC Comb Filter analyzes three lines of information from a single video frame as well as lines from adjacent frames. This technology eliminates the flickering that a detailed pattern or scene would normally cause, for the cleanest, neatest picture possible.

**PROGRESSIVE SCANNING**

A standard TV uses Interlaced Scanning where each frame of video is broken into two fields, each providing alternating scan lines. This can leave noticeable scan lines and cause flickering. With Progressive Scanning, complete frames are displayed for a smoother picture with no scan lines and no flicker. This allows you to get the optimal picture quality from today’s high resolution digital sources such as DVD or a digital set-top box.

# SERVICE ADJUSTMENTS


**1. ASSEMBLED P.W.B ADJUSTMENT ..... 23**
- 1-1. Memory Initialization (NTSC, SDTV and HDTV) ..... 23
- 1-2. Comb Filter Operation Check ..... 34
- 1-3. Audio Operation Check ..... 34
  - 1-3-1. Graphic Equalizer Operation Check ..... 34
  - 1-3-2. Perfect Volume Operation Check ..... 34
  - 1-3-3. Dynamic Bass Operation Check ..... 34
  - 1-3-4. Input Source Operation Check ..... 35
  - 1-3-5. Surround Mode Operation Check ..... 35
  - 1-3-6. Speaker Setup Operation Check ..... 37
- 1-4. High Voltage Adjustment ..... 39

**2. FINAL ASSEMBLY ADJUSTMENT (Adjustment should be according to below order) ..... 39**
- 2-1. Cut Off ..... 39
- 2-2. DCU Phase Data Setting (Progressive and HD mode) ..... 39
- 2-3. Horizontal Position Adjustment (Coarse) ..... 40
- 2-4. Raster Tilt (Deflection Yoke) ..... 40
- 2-5. Beam Alignment ..... 40
- 2-6. Raster Position ..... 41
- 2-7. Vertical Size (Progressive mode) ..... 41
- 2-8. Horizontal Size (Progressive and HD mode) ..... 41
- 2-9. Beam Form ..... 42
- 2-10. Lens Focus ..... 42
- 2-11. Static Focus ..... 43
- 2-12. Digital Convergence (Progressive and HD mode) ..... 44
  - 2-12-1. Raster Position ..... 46
  - 2-12-2. Convergence Point ..... 46
  - 2-12-3. Digital Convergence Remote Control ..... 47
- 2-13. Blue Defocus ..... 47
- 2-14. White Balance ..... 47
- 2-15. Sub Brightness ..... 48
- 2-16. Horizontal Position (Progressive and HD mode) ..... 48
- 2-17. Scanning Area Check (Progressive and HD mode) ..... 49
- 2-18. Raster Distortion Check (Progressive and HD mode) ..... 50

**3. ADJUSTMENT POINT ..... 51**
- 3-1. CRT (R)(G)(B), Cabinet Locations ..... 51
- 3-2. Main Chassis (Signal P.W.B.) ..... 52
- 3-3. Main Chassis (Power/Deflection P.W.B.) ..... 53
- 3-4. Power Supply P.W.B. ..... 54
- 3-5. CPT (R)(G)(B), Focus Pack, Control P.W.B. ..... 55


***IMPORTANT**

**For many of the above adjustments, it is necessary to have an HDTV (1080i or 720P) signal generator, SDTV (480P) signal generator, as well as the usual NTSC (480i) signal generator.**

**Hitachi recognizes that few companies offer HDTV or SDTV signal generators and that the cost of these generators is sometimes prohibitive. For this reason, we suggest the use of a set-top-box for HDTV and SDTV adjustments. Usually, there is a switch on the set-top-box which enables it to output HDTV (1080i or 720P) or SDTV (480P) signals even with no input. In this case, the sync is automatically detected by the TV (at the Y-$P_BP_R$ Inputs on the rear panel).**

## 1. ASSEMBLED P.W.B. ADJUSTMENT

1.1 Memory Initialization

Adjustment Procedure

(1) Press and hold INPUT key on Control Panel and then press POWER key on control panel to access $I^2C$ adjustment mode.

(2) Receive signal on main picture. (NTSC, SDTV or HDTV).
Some menu pages have $I^2C$ adjustments for SDTV and HDTV. The set will automatically allow you to set these items only when a SDTV or HDTV signal is input to the COMPONENT jacks on the back of the TV. See table below.

(3) Check the OSD according to table on page 27, using THUMB STICK ▲, ▼ on Remote Control.
*: Adjustable Data
Others: Fixed Data (be careful not to change)

(4) Press MENU key to exit $I^2C$ ADJUST mode.

| | SIGNAL | ASPECT | fH | COLOR |
|---|---|---|---|---|
| HDTV | 1080i | 16:9 | 33.75kHz | Y $P_BP_R$ |
| HDTV | 720P | 16:9 | 45kHz | Y $P_BP_R$ |
| SDTV | 480P | 4:3 | 31.5kHz | Y $C_BC_R$ |
| NTSC | 480i | 4:3 | 15.75kHz | Y $C_BC_R$ |
| NTSC | NTSC | | | |

NOTE: (1) If there is a different value than shown in table above, for fixed data, adjust it using THUMB STICK ◀, ▶ (only in this case).

(2) When exchanging microprocessor and TV is turned on for first time, it requires initialization of Memory Initial of $I^2C$ adjustment menu.

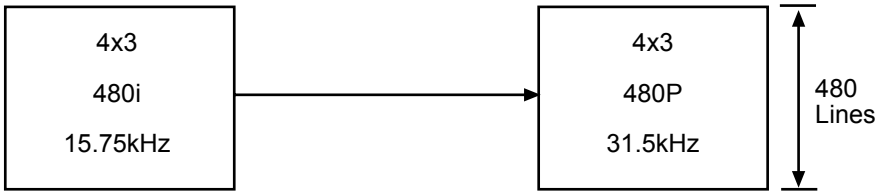
(3) FIRST TIME TOUR can be turned off at first power on by pressing MENU while FIRST TIME TOUR is running.

DISPLAY FORMAT OF COMPONENT VIDEO TERMINAL (YCBCR/YPBPR).

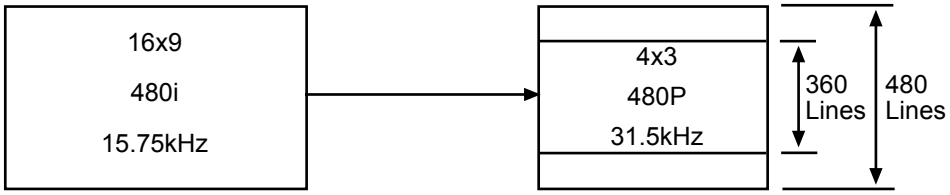
SDTV SIGNAL FORMAT: SMPTE-170M
HDTV SIGNAL FORMAT: ITU-R709, SMPTE-274M

A. NORMAL MODE

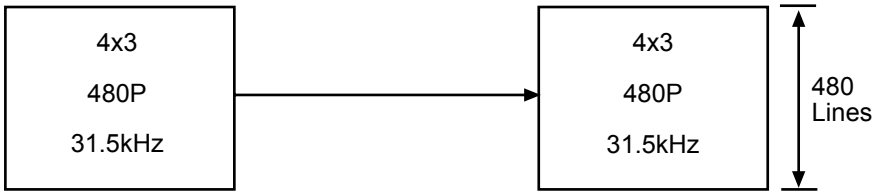
(1) NTSC/SDTV: 480i 4X3 (15.75kHz) ⟶ 480P 4x3 (31.5kHz)



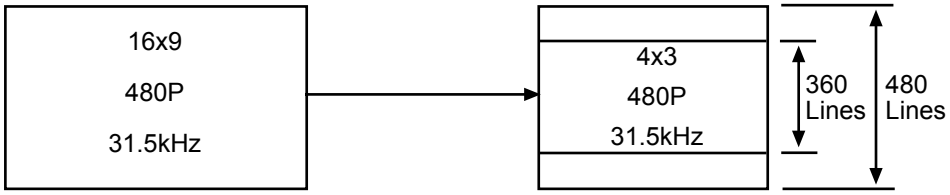

(2) SDTV: 480i 16x9 (15.75kHz) ⟶ 480P 4x3 (31.5kHz)
Insertion panel to top and bottom.




(3) SDTV: 480P 4X3 (31.5kHz) ⟶ 480P 4x3 (31.5kHz)

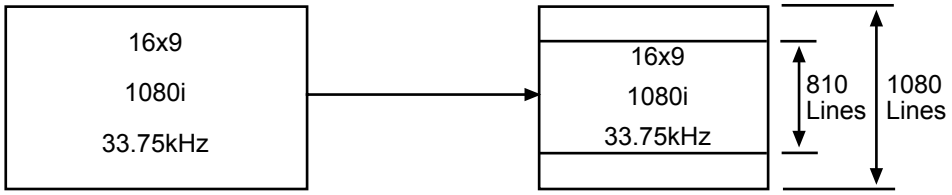



(4) SDTV: 480P 16x9 (31.5kHz) ⟶ 480P 4x3 (31.5kHz)
Insertion panel to top and bottom.

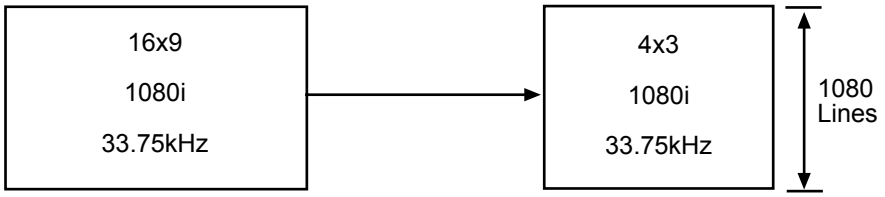


(5) HDTV: 1080i 16x9 (33.75kHz) ⟶ 1080i 4x3 (33.75kHz)

Insertion panel to top and bottom.

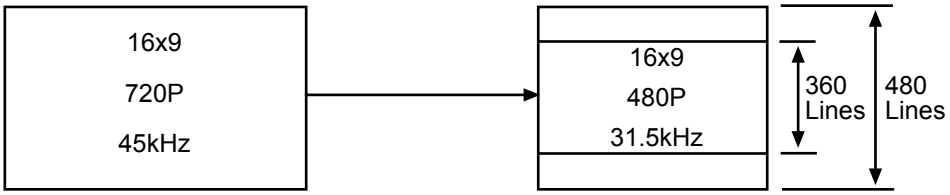



(6) HDTV: 1080i 16x9 (33.75kHz) ⟶ 1080i 4x3 (33.75kHz)

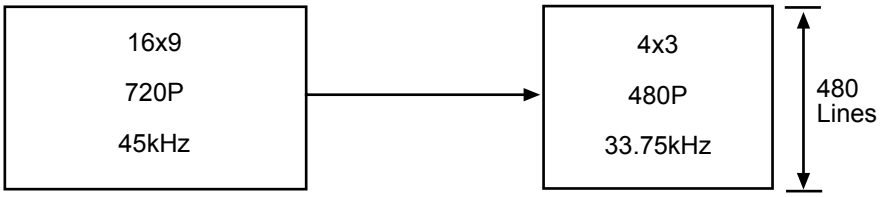



(7) HDTV: 720P 16x9 (45kHz) ⟶ 480P 4x3 (31.5kHz)

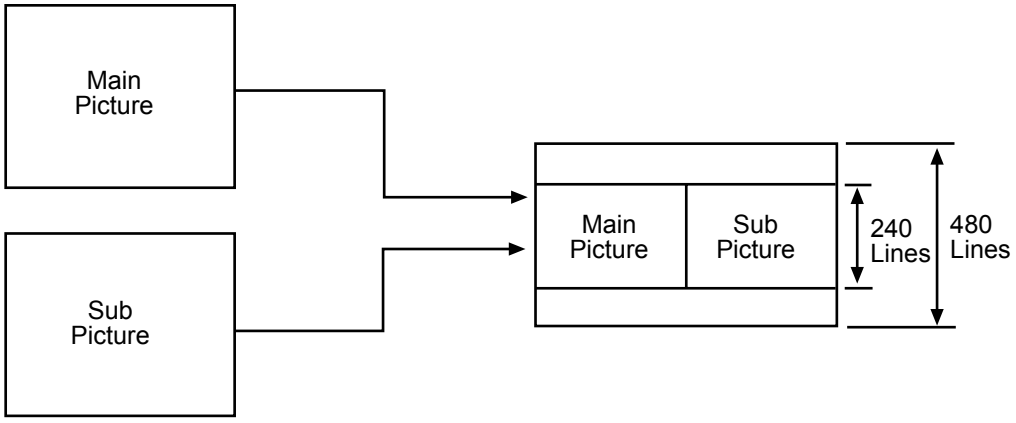
Insertion panel to top and bottom.



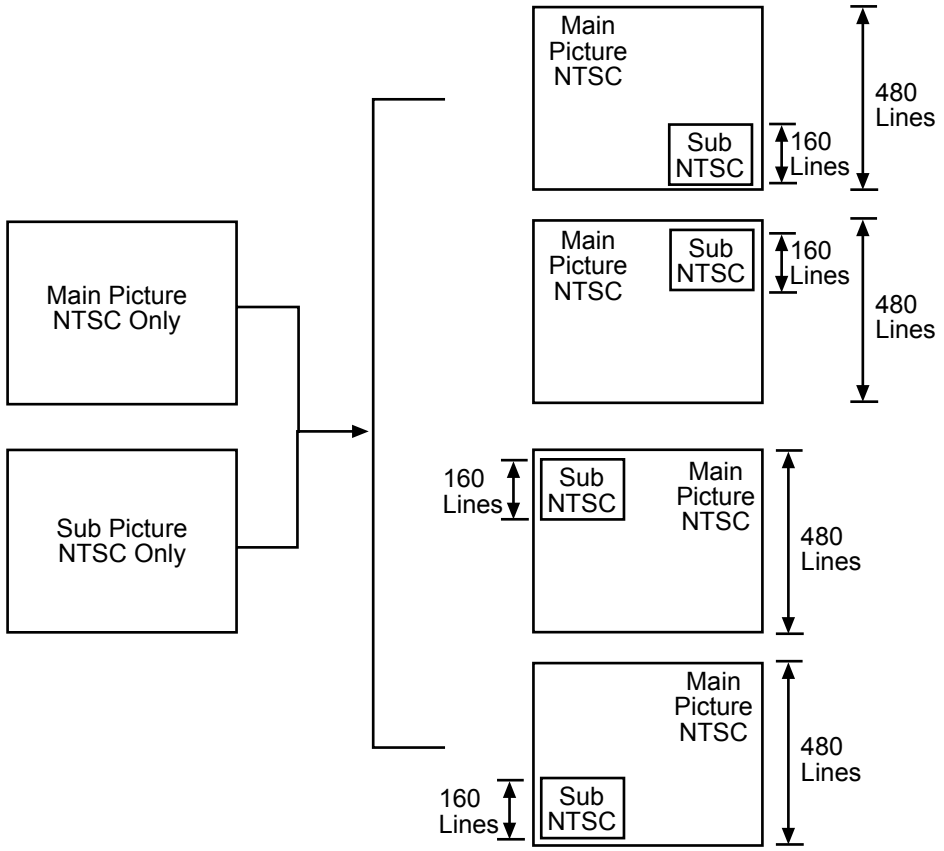

(8) HDTV: 720P 16x9 (45kHz) ⟶ 480P 4x3 (31.5kHz)



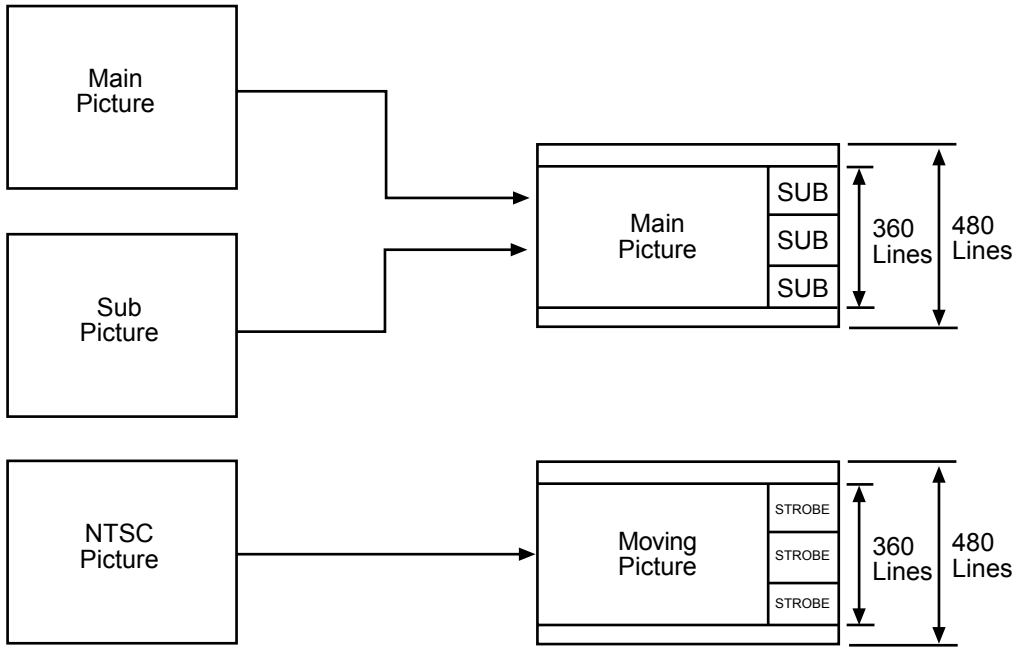

B. SPLIT MODE ⟶ 480P 4x3 ALL SIGNAL (31.5kHz)



C. SIGNAL MODE NTSC only ⟶ 480P 4x3 (31.5kHz)




D. SURF/STROBE MODE NTSC ⟶ 480P 4x3 (31.5kHz)



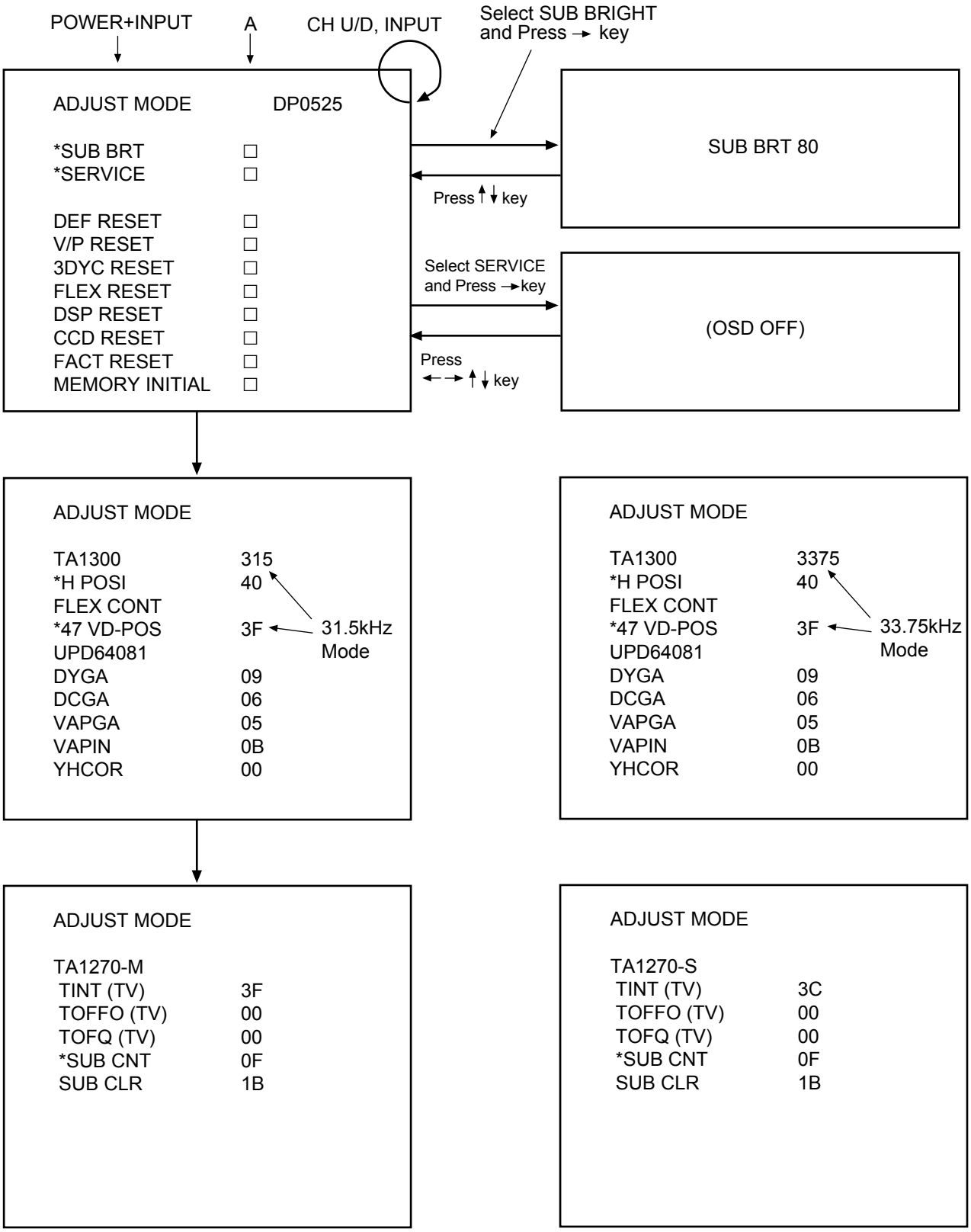
I²C Parameter List

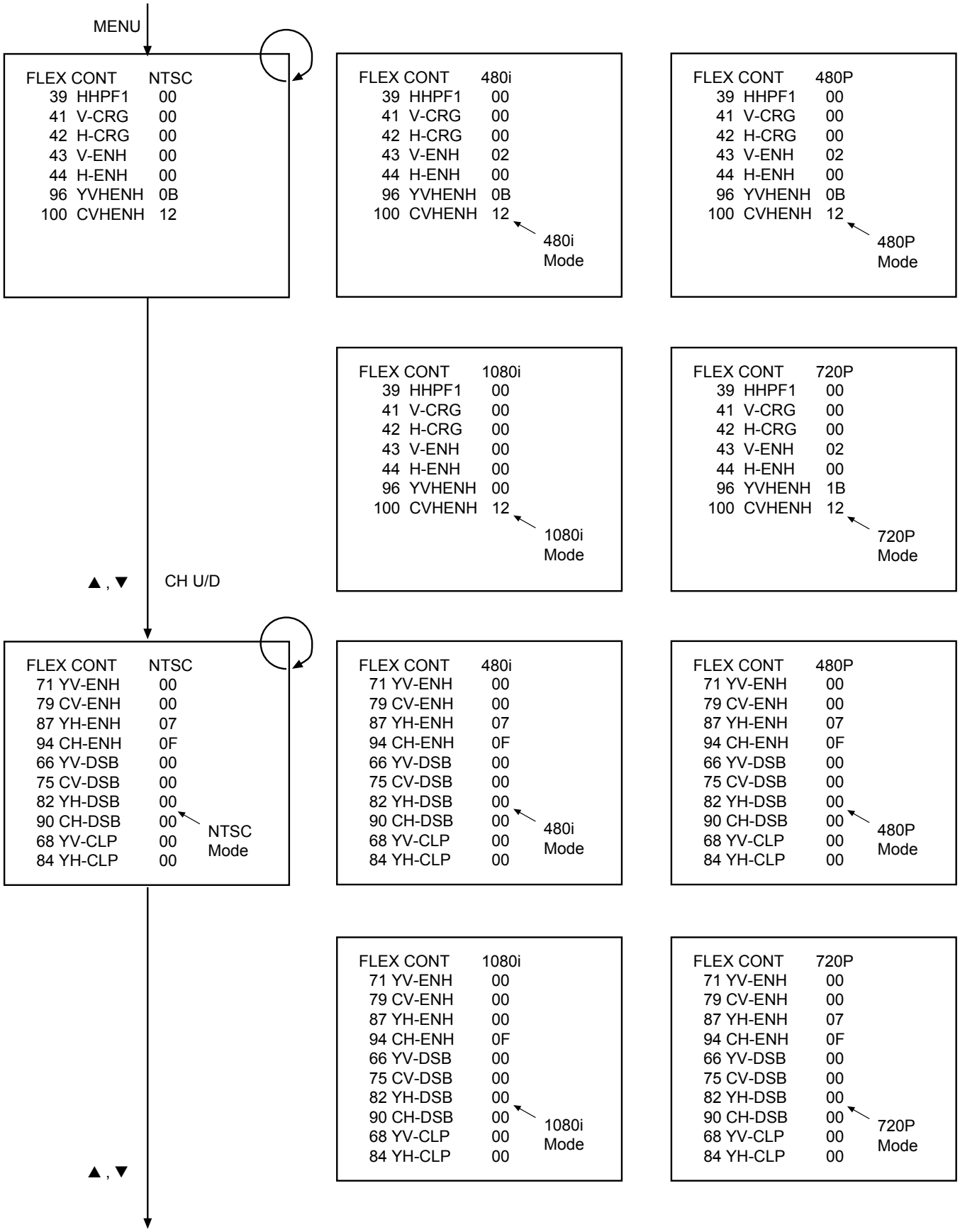
(1) Adjust Mode OSD

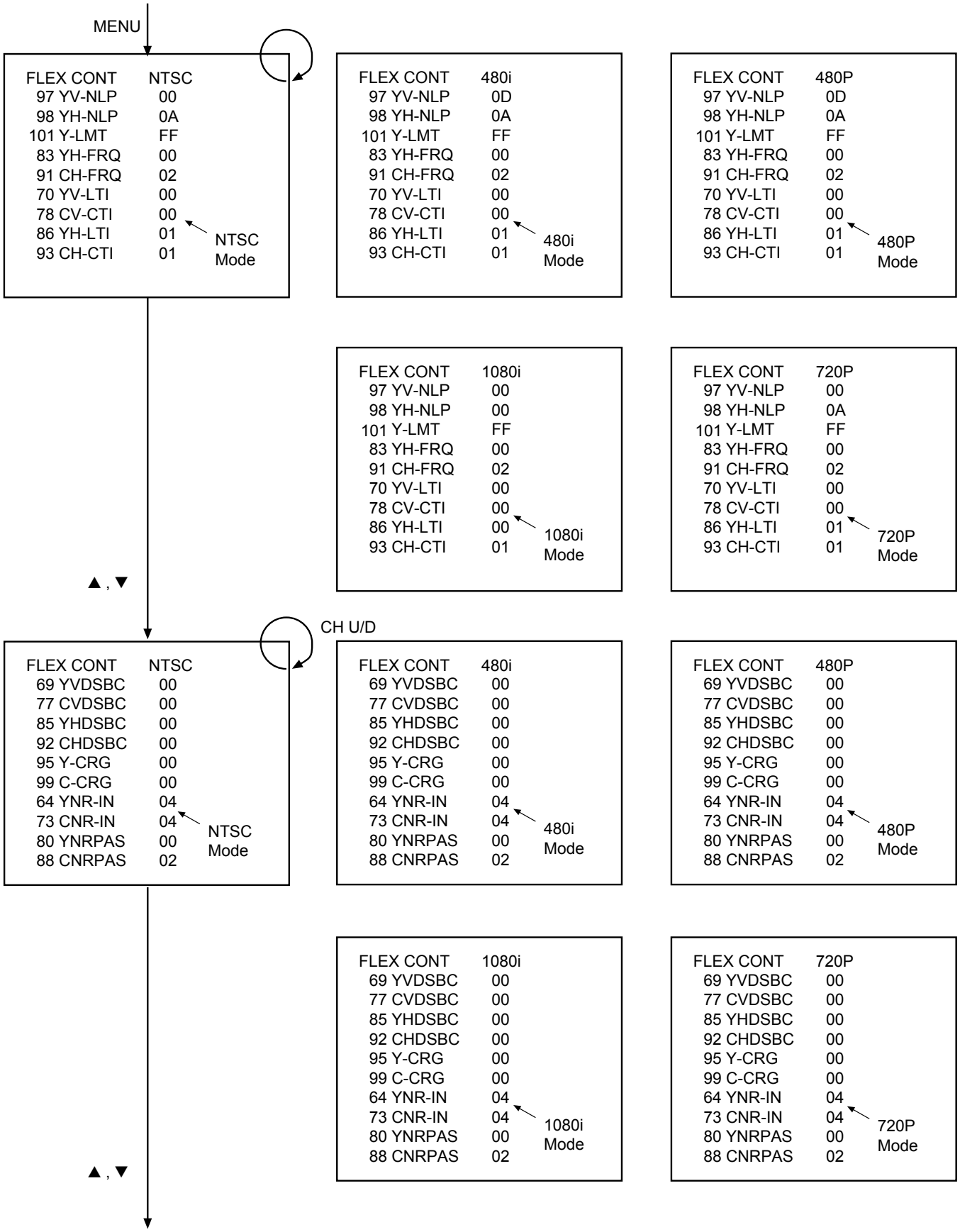
Press [POWER] + [INPUT] keys of front control panel.

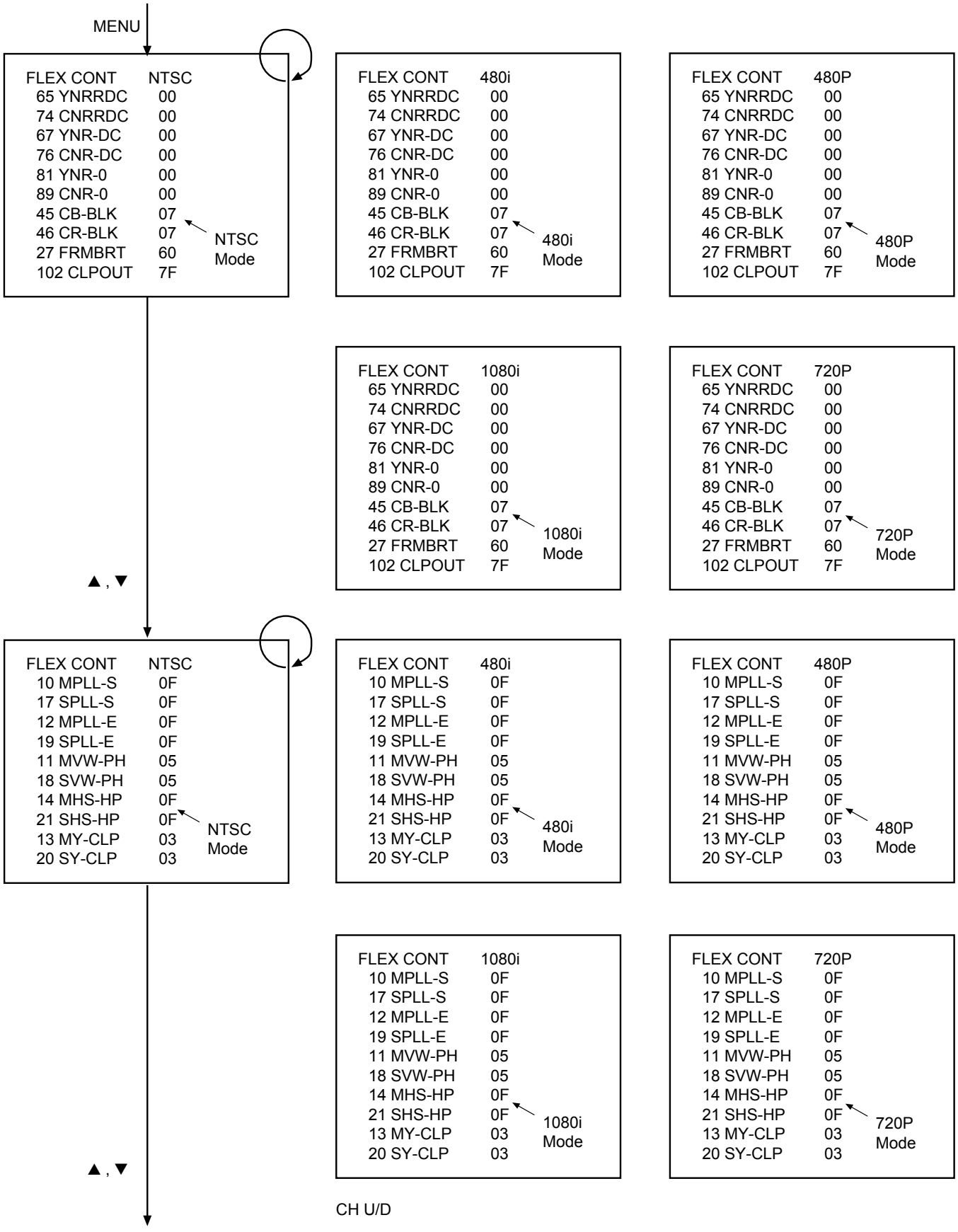
*: ADJUSTABLE ITEM

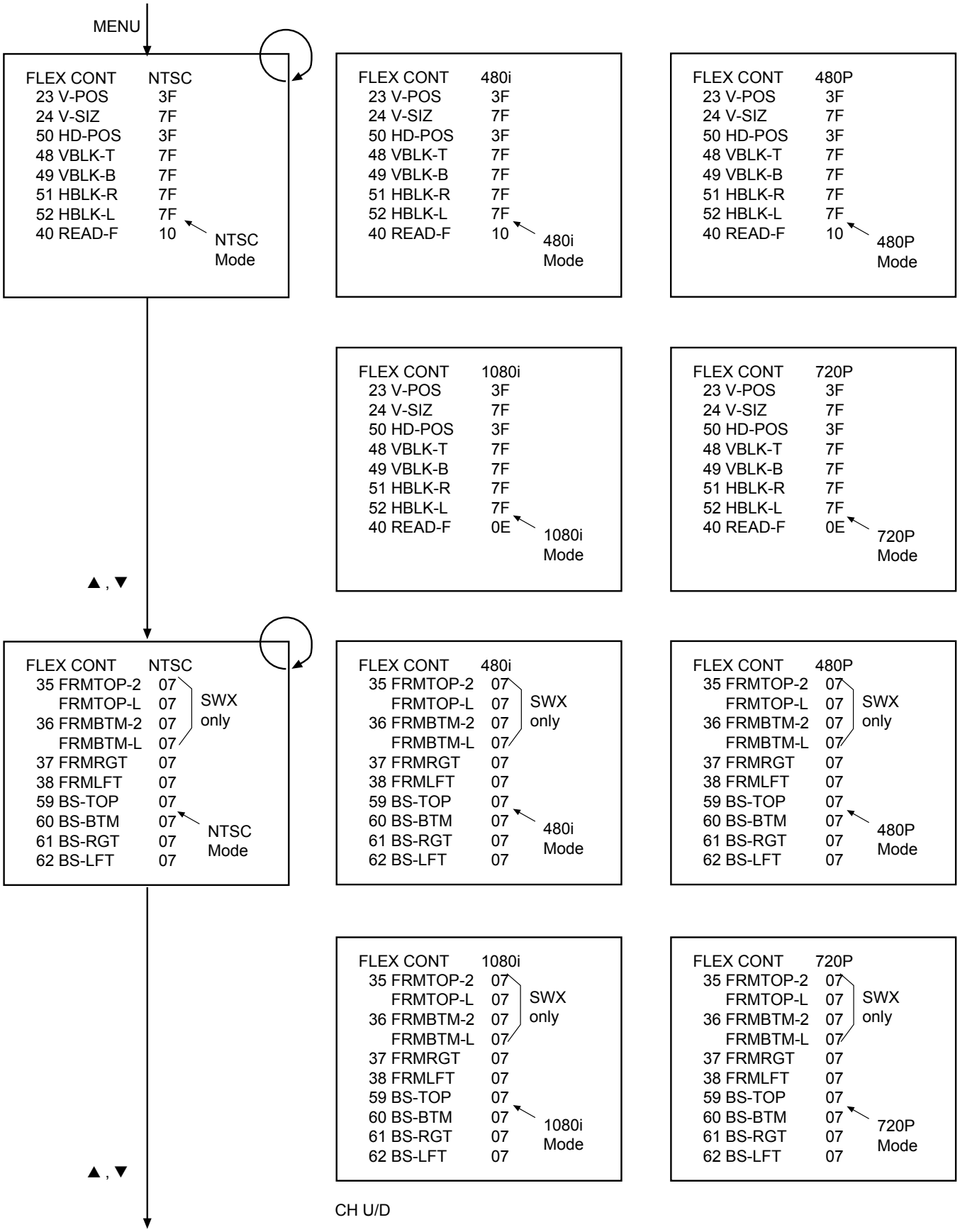
EXIT I2C ADJUST MODE
POWER on/off.

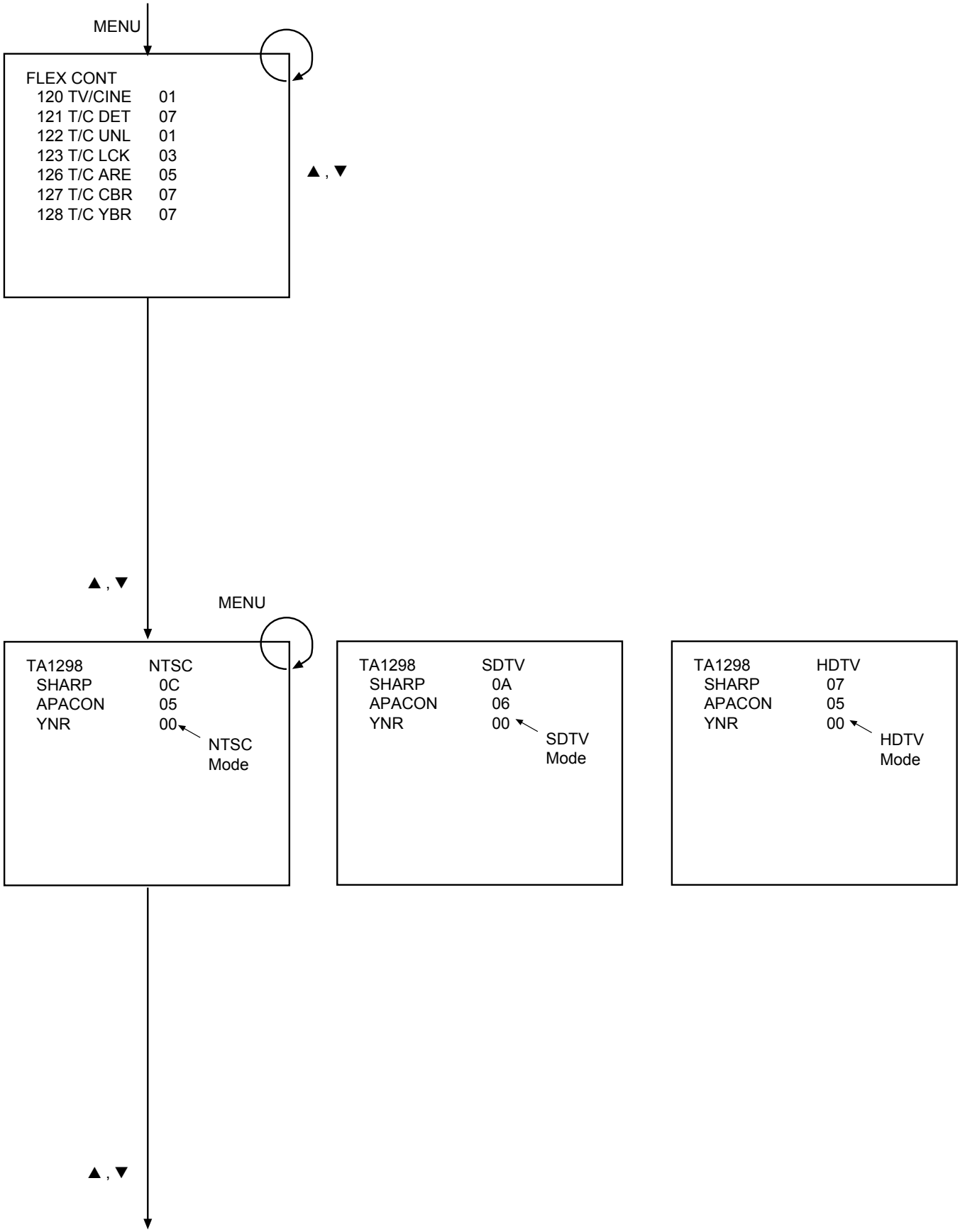


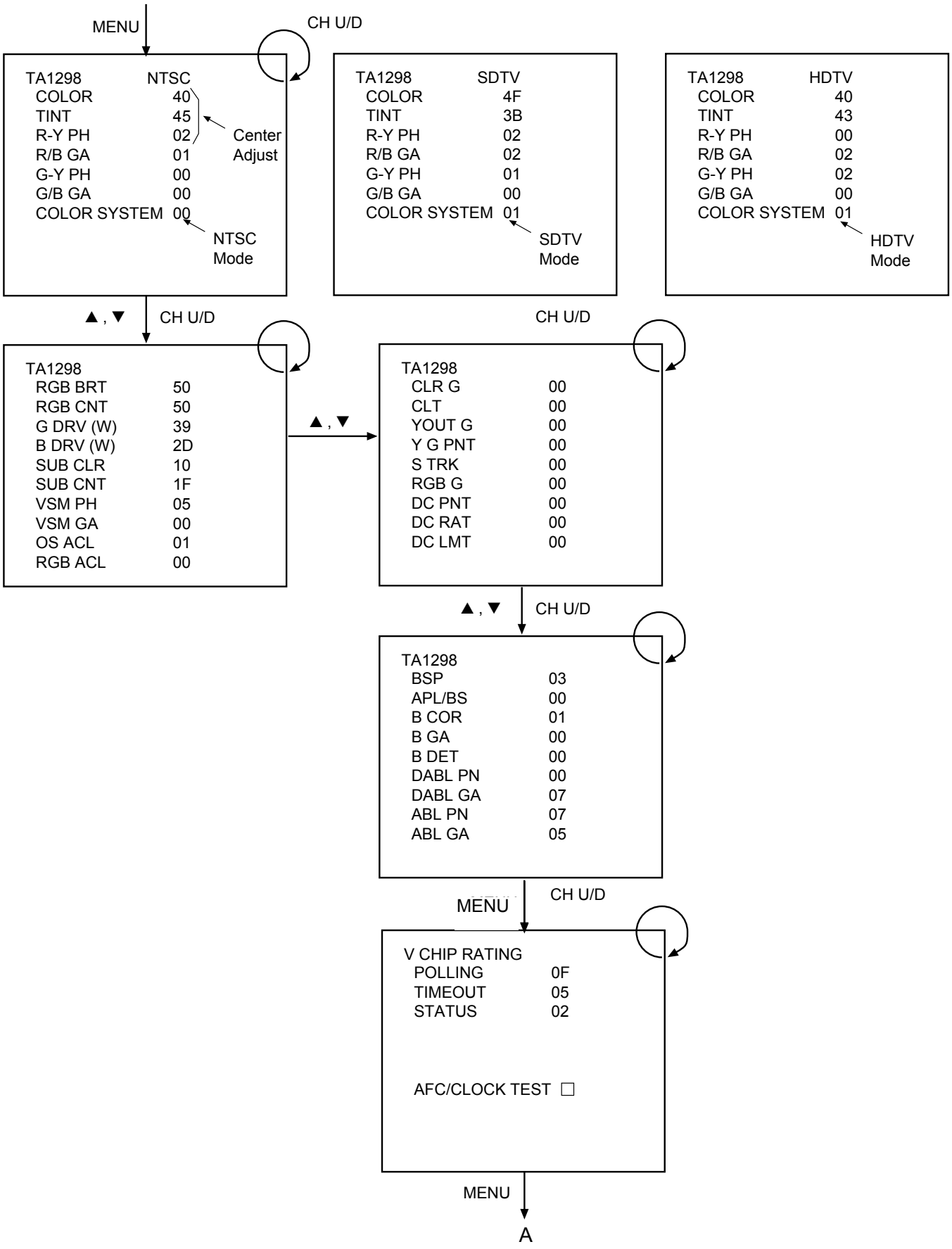

MENU
FLEX CONT NTSC
39 HHPF1 00
41 V-CRG 00
42 H-CRG 00
43 V-ENH 00
44 H-ENH 00
96 YVHENH 0B
100 CVHENH 12
FLEX CONT 480i
39 HHPF1 00
41 V-CRG 00
42 H-CRG 00
43 V-ENH 02
44 H-ENH 00
96 YVHENH 0B
100 CVHENH 12
480i Mode
FLEX CONT 480P
39 HHPF1 00
41 V-CRG 00
42 H-CRG 00
43 V-ENH 02
44 H-ENH 00
96 YVHENH 0B
100 CVHENH 12
480P Mode
FLEX CONT 1080i
39 HHPF1 00
41 V-CRG 00
42 H-CRG 00
43 V-ENH 00
44 H-ENH 00
96 YVHENH 00
100 CVHENH 12
1080i Mode
FLEX CONT 720P
39 HHPF1 00
41 V-CRG 00
42 H-CRG 00
43 V-ENH 02
44 H-ENH 00
96 YVHENH 1B
100 CVHENH 12
720P Mode
▲ , ▼
CH U/D
FLEX CONT NTSC
71 YV-ENH 00
79 CV-ENH 00
87 YH-ENH 07
94 CH-ENH 0F
66 YV-DSB 00
75 CV-DSB 00
82 YH-DSB 00
90 CH-DSB 00
68 YV-CLP 00
84 YH-CLP 00
NTSC Mode
FLEX CONT 480i
71 YV-ENH 00
79 CV-ENH 00
87 YH-ENH 07
94 CH-ENH 0F
66 YV-DSB 00
75 CV-DSB 00
82 YH-DSB 00
90 CH-DSB 00
68 YV-CLP 00
84 YH-CLP 00
480i Mode
FLEX CONT 480P
71 YV-ENH 00
79 CV-ENH 00
87 YH-ENH 07
94 CH-ENH 0F
66 YV-DSB 00
75 CV-DSB 00
82 YH-DSB 00
90 CH-DSB 00
68 YV-CLP 00
84 YH-CLP 00
480P Mode
FLEX CONT 1080i
71 YV-ENH 00
79 CV-ENH 00
87 YH-ENH 00
94 CH-ENH 0F
66 YV-DSB 00
75 CV-DSB 00
82 YH-DSB 00
90 CH-DSB 00
68 YV-CLP 00
84 YH-CLP 00
1080i Mode
FLEX CONT 720P
71 YV-ENH 00
79 CV-ENH 00
87 YH-ENH 07
94 CH-ENH 0F
66 YV-DSB 00
75 CV-DSB 00
82 YH-DSB 00
90 CH-DSB 00
68 YV-CLP 00
84 YH-CLP 00
720P Mode
▲ , ▼


MENU
FLEX CONT NTSC
97 YV-NLP 00
98 YH-NLP 0A
101 Y-LMT FF
83 YH-FRQ 00
91 CH-FRQ 02
70 YV-LTI 00
78 CV-CTI 00
86 YH-LTI 01
93 CH-CTI 01
NTSC Mode
FLEX CONT 480i
97 YV-NLP 0D
98 YH-NLP 0A
101 Y-LMT FF
83 YH-FRQ 00
91 CH-FRQ 02
70 YV-LTI 00
78 CV-CTI 00
86 YH-LTI 01
93 CH-CTI 01
480i Mode
FLEX CONT 480P
97 YV-NLP 0D
98 YH-NLP 0A
101 Y-LMT FF
83 YH-FRQ 00
91 CH-FRQ 02
70 YV-LTI 00
78 CV-CTI 00
86 YH-LTI 01
93 CH-CTI 01
480P Mode
FLEX CONT 1080i
97 YV-NLP 00
98 YH-NLP 00
101 Y-LMT FF
83 YH-FRQ 00
91 CH-FRQ 02
70 YV-LTI 00
78 CV-CTI 00
86 YH-LTI 00
93 CH-CTI 01
1080i Mode
FLEX CONT 720P
97 YV-NLP 00
98 YH-NLP 0A
101 Y-LMT FF
83 YH-FRQ 00
91 CH-FRQ 02
70 YV-LTI 00
78 CV-CTI 00
86 YH-LTI 01
93 CH-CTI 01
720P Mode
▲ , ▼
CH U/D
FLEX CONT NTSC
69 YVDSBC 00
77 CVDSBC 00
85 YHDSBC 00
92 CHDSBC 00
95 Y-CRG 00
99 C-CRG 00
64 YNR-IN 04
73 CNR-IN 04
80 YNRPAS 00
88 CNRPAS 02
NTSC Mode
FLEX CONT 480i
69 YVDSBC 00
77 CVDSBC 00
85 YHDSBC 00
92 CHDSBC 00
95 Y-CRG 00
99 C-CRG 00
64 YNR-IN 04
73 CNR-IN 04
80 YNRPAS 00
88 CNRPAS 02
480i Mode
FLEX CONT 480P
69 YVDSBC 00
77 CVDSBC 00
85 YHDSBC 00
92 CHDSBC 00
95 Y-CRG 00
99 C-CRG 00
64 YNR-IN 04
73 CNR-IN 04
80 YNRPAS 00
88 CNRPAS 02
480P Mode
FLEX CONT 1080i
69 YVDSBC 00
77 CVDSBC 00
85 YHDSBC 00
92 CHDSBC 00
95 Y-CRG 00
99 C-CRG 00
64 YNR-IN 04
73 CNR-IN 04
80 YNRPAS 00
88 CNRPAS 02
1080i Mode
FLEX CONT 720P
69 YVDSBC 00
77 CVDSBC 00
85 YHDSBC 00
92 CHDSBC 00
95 Y-CRG 00
99 C-CRG 00
64 YNR-IN 04
73 CNR-IN 04
80 YNRPAS 00
88 CNRPAS 02
720P Mode
▲ , ▼


MENU
FLEX CONT NTSC
65 YNRRDC 00
74 CNRRDC 00
67 YNR-DC 00
76 CNR-DC 00
81 YNR-0 00
89 CNR-0 00
45 CB-BLK 07
46 CR-BLK 07
27 FRMBRT 60
102 CLPOUT 7F
NTSC Mode
FLEX CONT 480i
65 YNRRDC 00
74 CNRRDC 00
67 YNR-DC 00
76 CNR-DC 00
81 YNR-0 00
89 CNR-0 00
45 CB-BLK 07
46 CR-BLK 07
27 FRMBRT 60
102 CLPOUT 7F
480i Mode
FLEX CONT 480P
65 YNRRDC 00
74 CNRRDC 00
67 YNR-DC 00
76 CNR-DC 00
81 YNR-0 00
89 CNR-0 00
45 CB-BLK 07
46 CR-BLK 07
27 FRMBRT 60
102 CLPOUT 7F
480P Mode
FLEX CONT 1080i
65 YNRRDC 00
74 CNRRDC 00
67 YNR-DC 00
76 CNR-DC 00
81 YNR-0 00
89 CNR-0 00
45 CB-BLK 07
46 CR-BLK 07
27 FRMBRT 60
102 CLPOUT 7F
1080i Mode
FLEX CONT 720P
65 YNRRDC 00
74 CNRRDC 00
67 YNR-DC 00
76 CNR-DC 00
81 YNR-0 00
89 CNR-0 00
45 CB-BLK 07
46 CR-BLK 07
27 FRMBRT 60
102 CLPOUT 7F
720P Mode
▲ , ▼
FLEX CONT NTSC
10 MPLL-S 0F
17 SPLL-S 0F
12 MPLL-E 0F
19 SPLL-E 0F
11 MVW-PH 05
18 SVW-PH 05
14 MHS-HP 0F
21 SHS-HP 0F
13 MY-CLP 03
20 SY-CLP 03
NTSC Mode
FLEX CONT 480i
10 MPLL-S 0F
17 SPLL-S 0F
12 MPLL-E 0F
19 SPLL-E 0F
11 MVW-PH 05
18 SVW-PH 05
14 MHS-HP 0F
21 SHS-HP 0F
13 MY-CLP 03
20 SY-CLP 03
480i Mode
FLEX CONT 480P
10 MPLL-S 0F
17 SPLL-S 0F
12 MPLL-E 0F
19 SPLL-E 0F
11 MVW-PH 05
18 SVW-PH 05
14 MHS-HP 0F
21 SHS-HP 0F
13 MY-CLP 03
20 SY-CLP 03
480P Mode
FLEX CONT 1080i
10 MPLL-S 0F
17 SPLL-S 0F
12 MPLL-E 0F
19 SPLL-E 0F
11 MVW-PH 05
18 SVW-PH 05
14 MHS-HP 0F
21 SHS-HP 0F
13 MY-CLP 03
20 SY-CLP 03
1080i Mode
FLEX CONT 720P
10 MPLL-S 0F
17 SPLL-S 0F
12 MPLL-E 0F
19 SPLL-E 0F
11 MVW-PH 05
18 SVW-PH 05
14 MHS-HP 0F
21 SHS-HP 0F
13 MY-CLP 03
20 SY-CLP 03
720P Mode
▲ , ▼
CH U/D


MENU
FLEX CONT NTSC
23 V-POS 3F
24 V-SIZ 7F
50 HD-POS 3F
48 VBLK-T 7F
49 VBLK-B 7F
51 HBLK-R 7F
52 HBLK-L 7F
40 READ-F 10
NTSC Mode
FLEX CONT 480i
23 V-POS 3F
24 V-SIZ 7F
50 HD-POS 3F
48 VBLK-T 7F
49 VBLK-B 7F
51 HBLK-R 7F
52 HBLK-L 7F
40 READ-F 10
480i Mode
FLEX CONT 480P
23 V-POS 3F
24 V-SIZ 7F
50 HD-POS 3F
48 VBLK-T 7F
49 VBLK-B 7F
51 HBLK-R 7F
52 HBLK-L 7F
40 READ-F 10
480P Mode
FLEX CONT 1080i
23 V-POS 3F
24 V-SIZ 7F
50 HD-POS 3F
48 VBLK-T 7F
49 VBLK-B 7F
51 HBLK-R 7F
52 HBLK-L 7F
40 READ-F 0E
1080i Mode
FLEX CONT 720P
23 V-POS 3F
24 V-SIZ 7F
50 HD-POS 3F
48 VBLK-T 7F
49 VBLK-B 7F
51 HBLK-R 7F
52 HBLK-L 7F
40 READ-F 0E
720P Mode
▲ , ▼
FLEX CONT NTSC
35 FRMTOP-2 07
FRMTOP-L 07
36 FRMBTM-2 07
FRMBTM-L 07
SWX only
37 FRMRGT 07
38 FRMLFT 07
59 BS-TOP 07
60 BS-BTM 07
61 BS-RGT 07
62 BS-LFT 07
NTSC Mode
FLEX CONT 480i
35 FRMTOP-2 07
FRMTOP-L 07
36 FRMBTM-2 07
FRMBTM-L 07
SWX only
37 FRMRGT 07
38 FRMLFT 07
59 BS-TOP 07
60 BS-BTM 07
61 BS-RGT 07
62 BS-LFT 07
480i Mode
FLEX CONT 480P
35 FRMTOP-2 07
FRMTOP-L 07
36 FRMBTM-2 07
FRMBTM-L 07
SWX only
37 FRMRGT 07
38 FRMLFT 07
59 BS-TOP 07
60 BS-BTM 07
61 BS-RGT 07
62 BS-LFT 07
480P Mode
FLEX CONT 1080i
35 FRMTOP-2 07
FRMTOP-L 07
36 FRMBTM-2 07
FRMBTM-L 07
SWX only
37 FRMRGT 07
38 FRMLFT 07
59 BS-TOP 07
60 BS-BTM 07
61 BS-RGT 07
62 BS-LFT 07
1080i Mode
FLEX CONT 720P
35 FRMTOP-2 07
FRMTOP-L 07
36 FRMBTM-2 07
FRMBTM-L 07
SWX only
37 FRMRGT 07
38 FRMLFT 07
59 BS-TOP 07
60 BS-BTM 07
61 BS-RGT 07
62 BS-LFT 07
720P Mode
▲ , ▼
CH U/D


MENU
FLEX CONT
120 TV/CINE 01
121 T/C DET 07
122 T/C UNL 01
123 T/C LCK 03
126 T/C ARE 05
127 T/C CBR 07
128 T/C YBR 07
▲ , ▼
▲ , ▼
MENU
TA1298 NTSC
SHARP 0C
APACON 05
YNR 00
NTSC Mode
TA1298 SDTV
SHARP 0A
APACON 06
YNR 00
SDTV Mode
TA1298 HDTV
SHARP 07
APACON 05
YNR 00
HDTV Mode
▲ , ▼


MENU
CH U/D
TA1298 NTSC
COLOR 40
TINT 45
R-Y PH 02
R/B GA 01
G-Y PH 00
G/B GA 00
COLOR SYSTEM 00
Center Adjust
NTSC Mode
TA1298 SDTV
COLOR 4F
TINT 3B
R-Y PH 02
R/B GA 02
G-Y PH 01
G/B GA 00
COLOR SYSTEM 01
SDTV Mode
TA1298 HDTV
COLOR 40
TINT 43
R-Y PH 00
R/B GA 02
G-Y PH 02
G/B GA 00
COLOR SYSTEM 01
HDTV Mode
▲ , ▼
CH U/D
TA1298
RGB BRT 50
RGB CNT 50
G DRV (W) 39
B DRV (W) 2D
SUB CLR 10
SUB CNT 1F
VSM PH 05
VSM GA 00
OS ACL 01
RGB ACL 00
▲ , ▼
CH U/D
TA1298
CLR G 00
CLT 00
YOUT G 00
Y G PNT 00
S TRK 00
RGB G 00
DC PNT 00
DC RAT 00
DC LMT 00
▲ , ▼
CH U/D
TA1298
BSP 03
APL/BS 00
B COR 01
B GA 00
B DET 00
DABL PN 00
DABL GA 07
ABL PN 07
ABL GA 05
MENU
CH U/D
V CHIP RATING
POLLING 0F
TIMEOUT 05
STATUS 02
AFC/CLOCK TEST □
MENU
A

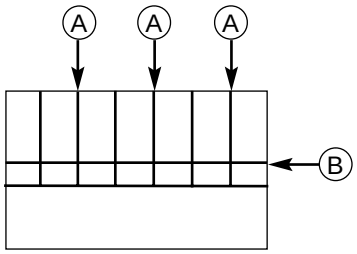
**1.2 Comb filter operation check**

Adjustment preparation

(1) Receive the color bar signal at the regular tuning point.
(2) Set the CONTRAST control to MAX and the other controls to center.
(3) Set the AI to OFF.

Adjustment procedure

(1) Check that between the color bars there are not line dots every second color bar as shown in the drawing.




Check Ⓐ and Ⓑ line dots.

| | 53/61SDX01B |
|---|---|
| Ⓐ | No Dots |
| Ⓑ | No Dots |

**1.3 AUDIO OPERATION CHECK**

1.3.1 GRAPHIC EQUALIZER OPERATION CHECK

Preparation for adjustment

(1) Input audio signal of 60Hz, 250Hz, 1KHz, 3KHz, and 10KHz in order with level of 150mVrms to the L/mono audio input.
(2) Set the Volume to around the center.
(3) Set INPUT SOURCE mode to ANALOG.
(4) Set SURROUND to OFF.
(5) Set SPEAKER SET UP mode to INTERNAL.
(6) Set LOUDNESS to OFF.
(7) Select the GRAPHIC EQUALIZER mode.

Adjustment procedure

(1) Set SURROUND mode to OFF and check that the audio output level of the speakers change by +8dB or -8dB at each frequency when each frequency moves to max. or min. at the GEQ adjustment mode.
(2) Set SURROUND mode to PRO LOGIC and check that the audio output level of the Center Speaker changes in the same way of item (1).

1.3.2 PERFECT VOL. OPERATION CHECK

Preparation for adjustment

(1) Set PERFECT VOLUME to ON.
(2) Set the Volume to around the center.
(3) Set INPUT SOURCE mode to ANALOG.
(4) Set to SURROUND OFF.
(5) Set SPEAKER SET UP mode to INTERNAL.

Adjustment procedure

(1) Input 100mVrms, 200mVrms, 300mVrms and 400mVrms of 1 KHz audio signal to L/MONO terminal.
(2) Check that same level sound is output from SPEAKER when 200mVrms, 300mVrms and 400mVrms of 1KHz sound singal is input.

1.3.3 DYNAMIC BASS OPERATION CHECK

Preparation for adjustment

(1) Input an audio signal of 60Hz with level of 150mVrms to the L/MONO audio input.
(2) Set the Volume to around the center.
(3) Set INPUT SOURCE mode to ANALOG.
(4) Set SURROUND to OFF.
(5) Set SPEAKER SET UP mode to INTERNAL.

Adjustment procedure

(1) Switch the DYNAMIC BASS from OFF to ON and check that the output level of the MAIN speakers change by +6dB at 60Hz.

The audio signals used at the operation check 1.3.4 ~ 1.3.6 and there after are as follows.

Case 1: Use the DIGITAL AUDIO TEST SIGNAL GENERATOR KENWOOD DG-2530 (This SG has 44.1/32/48kHz PCM, AC-3 bitstream and DTS bit stream DIGITAL AUDIO FORMAT output) or corresponding SIGNAL GENERATOR.

① Analog audio signal
L-CH 1kHz -20dB (200mVrms) / R-CH 1kHz -20dB (200mVrms).
② 44.1kHz PCM
L-CH 1kHz -20dB / R-CH 1kHz -20dB. (Test data No.33 with KENWOOD DG-2530).
③ AC-3 bitstream
L-CH 2kHz -20dB / R-CH 2kHz -20dB / C-CH 2kHz -20dB / SL-CH 2kHz -20dB / SR-CH 2kHz - 20dB. (Pattern data No. 15 with KENWOOD DG-2530)
④ AC-3 bitstream
L-CH 50Hz -20dB / R-CH 50 Hz -20dB / C-CH 50 Hz -20dB / SL-CH 50Hz -20dB / SR-CH 50Hz -20dB / SW-CH 50Hz -20dB. (Pattern test data No. 9 with KENWOOD DG-2530)

Case 2: Use the DOLBY DVD DEMO AND TEST DISC (Ver. 1.0). Select the “5.1 CHANNEL TEST SIGNAL” menu.

① Analog audio signal
L-CH 1kHz 020dB (200mVrms) / R-CH 1kHz -20dB (200mVrms).
② AC-3 bitstream
FL-CH 997Hz -20dB FS / R-CH 997Hz -20dB FS (Track 8 “2 CHANNEL TEST SIGNAL” - “SYSTEM GAIN” - “997kHz -20dB FS”)
③ AC-3 bitstream
L-CH 2kHz -20dB / R-CH 2kHz -20dB / C-CH 2kHz -20dB / SL-CH 2kHz -20dB / SR-CH 2 kHz -20dB (Track 31 “5.1 CHANNEL TEST SIGNAL”-”SYSTEM GAIN”-”2kHz -20dB FS”).

(4) AC-3 bitstream
L-CH 30Hz 0dB / R-CH 30Hz 0dB / C-CH 30Hz 0dB / SL-CH 30Hz 0dB / SR-CH 30Hz 0dB / SW-CH 30Hz 0dB.
(Track 72 “5.1 CHANNEL TEST SIGNAL” - “DISTORTION” - “6X30Hz FS”)
(5) AC-3 bitstream
SW-CH 30Hz 0dB (Track 70 “DISTORTION”-”LFE FS”).

1.3.4 INPUT SOURCE OPERATION CHECK

Preparation for adjustment
(1) Set LOUDNESS to OFF.
(2) Set DYNAMIC BASS to OFF.
(3) Input the following audio signal ① to the L/mono audio input 1.
(4) Input the following audio signal ② to the COAXIAL input.
(5) Input the following audio signal ② to the OPTICAL input.
(6) Select Video 1 mode or Video 2 mode.
(7) Set the Volume to around the center.
(8) Set SURROUND to OFF.
(9) Set SPEAKER SET UP mode to INTERNAL.

Adjustment Procedure
(1) Select to ANALOG mode and check that the audio signal ① output from the speakers.
(2) Select to COAXIAL mode and check that the audio signal ② output from the speakers.
(3) Select to OPTICAL mode and check that the audio signal ② output from the speakers.

1.3.5 SURROUND MODE OPERATION CHECK

(a-1) SURROUND OFF MODE OPERATION CHECK.

Preparation for adjustment
(1) Set LOUDNESS to OFF.
(2) Set DYNAMIC BASS to OFF.
(3) Set the MASTER VOLUME to the center (-27dB)
(4) Set SURROUND to OFF.
(5) Set the BALANCE to the center and SUB WOOFER level to around the center.
(6) Set SPEAKER SET UP mode to INTERNAL.

Adjustment Procedure
(1) Input the following audio signal ② to the OPTICAL input.
(2) Check the wavefrom of audio signal ② at the FRONT L / R speakers.
(3) Check the waveform of audio signal ② at the SUB WOOFER lineout.
(4) Check no waveform of audio signal at the CENTER speakers and at SURROUND L / R speaker terminal.

| Channel | Output | Output Waveform (reference level) | |
|---|---|---|---|
| | | Case 1 | Case 2 |
| Front L | Speaker out | 1kHz (225± 10mVrms) | 997Hz (225± 10mVrms) |
| | HiFi out | 1kHz (9± 1mVrms) | 997Hz (9± 1mVrms) |
| Front R | Speaker out | 1kHz (225± 10mVrms) | 997Hz (225± 10mVrms) |
| | HiFi out | 1kHz (9± 1mVrms) | 997Hz (9± 1mVrms) |
| Center | Speaker out | No signal | No signal |
| Surround L | Speaker terminal out | No signal | No signal |
| Surround R | Speaker terminal out | No signal | No signal |
| Sub Woofer | SW line out | Almost zero level | Almost zero level |

(5) Check no waveform of audio signal at the CENTER speakers and at SURROUND L / R speaker terminal out.
(6) Input the following audio signal ④ to the OPTICAL input.
(7) Check the waveform of audio signal ④ at the FRONT L / R speakers
(8) Check the waveform of audio signal ④ at the SUB WOOFER lineout.

| Channel | Output | Output Waveform (reference level) | |
|---|---|---|---|
| | | Case 1 | Case 2 |
| Front L | Speaker out | 50Hz<br>(370± 10mVrms) | 30Hz<br>(0.70± 0.05mVrms) |
| | HiFi out | 50kHz<br>(20± 1mVrms) | 30Hz<br>(45± 5mVrms) |
| Front R | Speaker out | 50kHz<br>(370± 10mVrms) | 30Hz<br>(0.70± 0.05mVrms) |
| | HiFi out | 50kHz<br>(20± 1mVrms) | 30Hz<br>(45± 5mVrms) |
| Center | Speaker out | No signal | No signal |
| Surround L | Speaker terminal out | No signal | No signal |
| Surround R | Speaker terminal out | No signal | No signal |
| Sub Woofer | SW line out | 50Hz<br>(40± 5mVrms) | 30Hz<br>(150± 10mVrms) |

(a-2) DOLBY DIGITAL MODE OPERATION CHECK

Preparation for adjustment
(1) Set LOUDNESS to OFF.
(2) Set DYNAMIC BASS to OFF.
(3) Set the Master Volume and Trim Level to the center. (-27dB)
(4) Set to DOLBY DIGITAL mode.
(5) Set SPEAKER SET UP mode to INTERNAL.

Adjustment Procedure
(1) Input the following audio signal ③ to the OPTICAL input.
(2) Check the waveform of audio signal ③ at the FRONT L / R speakers.
(3) Check the waveform of audio signal ③ at the CENTER speakers.
(4) Check the waveform of audio signal ③ at the SURROUND L / R speaker terminal.
(5) Check the waveform of audio signal ③ at the SUB WOOFER lineoout.

| Channel | Output | Output Waveform (reference level) | |
|---|---|---|---|
| | | Case 1 | Case 2 |
| Front L | Speaker out | 2kHz<br>(225± 10mVrms) | 2kHz<br>(225± 10mVrms) |
| | HiFi out | 2kHz<br>(9± 1mVrms) | 2Hz<br>(9± 1mVrms) |
| Front R | Speaker out | 2kHz<br>(225± 10mVrms) | 2kHz<br>(225± 10mVrms) |
| | HiFi out | 2kHz<br>(9± 1mVrms) | 2kHz<br>(9± 1mVrms) |
| Center | Speaker out | 2kHz<br>(160± 10mVrms) | 2kHz<br>(160± 10mVrms) |
| Surround L | Speaker terminal out | 2kHz<br>(225± 10mVrms) | 2kHz<br>(225± 10mVrms) |
| Surround R | Speaker terminal out | 2kHz<br>(225± 10mVrms) | 2kHz<br>(225± 10mVrms) |
| Sub Woofer | SW line out | Almost zero level | Almost zero level |

(6) Input the following audio signal ④ to the OPTICAL input.
(7) Check the waveform of audio signal ④ at the FRONT L / R speakers.
(8) Check the waveform of audio signal ④ at the CENTER speakers.
(9) Check the waveform of audio signal ④ at the SURROUND L / R speaker terminal.
(10) Check the waveform of audio signal ④ at the SUB WOOFER lineout.

| Channel | Output | Output Waveform (reference level) | |
|---|---|---|---|
| | | Case 1 | Case 2 |
| Front L | Speaker out | 50Hz<br>(150± 10mVrms) | 30Hz<br>(0.55± 0.05mVrms) |
| | HiFi out | 50kHz<br>(7.5± 1mVrms) | 30Hz<br>(35± 5mVrms) |
| Front R | Speaker out | 50kHz<br>(150± 10mVrms) | 30Hz<br>(0.55± 0.05mVrms) |
| | HiFi out | 50kHz<br>(7.5± 1mVrms) | 30Hz<br>(35± 5mVrms) |
| Center | Speaker out | 50Hz<br>(20± 5mVrms) | 30Hz<br>(25± 5mVrms) |
| Surround L | Speaker terminal out | 50Hz<br>(40± 5mVrms) | 30Hz<br>(60± 5mVrms) |
| Surround R | Speaker terminal out | 50Hz<br>(40± 5mVrms) | 30Hz<br>(60± 5mVrms) |
| Sub Woofer | SW line out | 50Hz<br>(10± 1mVrms) | 30Hz<br>(120± 10mVrms) |

### 1.3.6 SPEAKER SET UP OPERATION CHECK

Preparation for adjustment
(1) Set LOUDNESS to OFF.
(2) Set DYNAMIC BASS to OFF.
(3) Set the Master Volume and Trim Level to the center (-27dB)
(4) Set to DOBLY DIGITAL mode.

Adjustment Procedure
(1) Input the following audio signal ③ to the OPTICAL input.
(2) SET FRONT L / R to EXTERNAL.
(3) Check the waveform of audio signal ③ at the FRONT L / R speakers.
(4) Check the waveform of audio signal ③ at the FRONT L / R HiFi out.

| Channel | Output | Output Waveform (reference level) | |
|---|---|---|---|
| | | Case 1 | Case 2 |
| Front L | Speaker out | No signal | No signal |
| | HiFi out | (9± 1mVrms) | (9± 1mVrms) |
| Front R | Speaker out | No signal | No signal |
| | HiFi out | 2(9± 1mVrms) | (9± 1mVrms) |

(5) Input the following audio signal 3 to the OPTICAL input.
(6) Set SURROUND to OFF.
(7) Check no waveform of audio signal at the SURROUND L / R speakers.

| Channel | Output | Output Waveform (reference level) | |
|---|---|---|---|
| | | Case 1 | Case 2 |
| Surround L | Speaker terminal out | No signal | No signal |
| Surround R | Speaker terminal out | No signal | No signal |

(8) Input the following audio signal ④ (case 1) or ⑤ (case 2) to the OPTICAL input.
(9) Set SUB WOOFER to NO.
(10) Check no waveform of audio signal at the SW line out.

| Channel | Output | Output Waveform (reference level) | |
|---|---|---|---|
| | | Case 1 | Case 2 |
| Front L | Speaker out | -- | (0.85± 0.05mVrms) |
| | HiFi out | -- | (50± 5mVrms) |
| Front R | Speaker out | -- | (0.85± 0.05mVrms) |
| | HiFi out | -- | (50± 5mVrms) |
| Sub Woofer | SW line out | No signal | No signal |

**Important:** High Voltage adjustment should NOT be adjusted in field. This is adjusted at factory using precise loads and should NOT be readjusted.

### 1.4 High Voltage Adjustment (should NOT be readjusted in field).

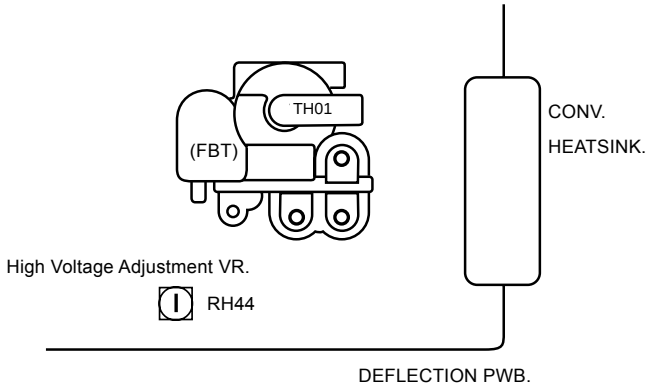
Adjustment preparation

(1) Connect High Voltage meter to FBT High Voltage output. Connect GND of High Voltage meter to CPT GND or FBT GND.
(2) Check that High Voltage adjustment VR (RH44) is set to mechanical center. (located behind FBT on DEFLECTION PWB).
(3) Receive circle pattern signal.
(4) VIDEO control should be reset.

Adjustment procedure

(1) Adjust High Voltage to following spec. by turning VR RH44 slowly. ADJ. SPEC = 30.0kV +/-0. 5kV
(2) After adjustment, fix VR RH44 with Silicone glue (KE40RTV).

## 2. FINAL ASSEMBLY ADJUSTMENT




### 2.1 Cut Off Adjustment

Adjustment preparation

(1) Set R and G drive VR's on CPT P.W.B. to center.
(2) Adjust screen VR's on Focus Pack fully counterclockwise.
(3) Adjust Focus VR's on Focus Pack fully clockwise.
(4) Set video conditions to factory preset.
(5) The vertical incident illumination on the screen should be 20 lux or less (room should be dark).

Adjustment procedure

(1) Press and hold INPUT key on control panel and then POWER ON to access $I^2C$ adjustment mode.
(2) Choose "SERVICE" item from $I^2C$ adjustment menu by pressing THUMB STICK ▶.
(3) Screen VR should be turned clockwise gradually and set so that retrace line begins to appear.
(4) Return to "NORMAL" mode by THUMB STICK ◀ again.
(5) Adjust Focus VR's so that focus is even all around screen.

### 2.2 DCU Phase Data Setting

Adjustment preparation

(1) Cut off adjustment should be finished.
(2) Set video conditions to factory preset.

Adjustment procedure

**PROGRESSIVE MODE**

(1) Receive any NTSC signal.
(2) Push "SERVICE ONLY" SW on DEFLECTION PWB. (Going to DCU ADJ. mode).
(3) Push HELP key on R/C. (Green cross hatch is displayed).
Then push EXIT key on R/C. (Character pattern is displayed. This is the PHASE setting mode).
(4) Set PH-H phase data as shown below by using 4 and 6 key on R/C.
(5) Set PH-V phase data as shown below by using 2 and 5 key on R/C.
(6) Set CR-H phase data as shown below by using THUMB STICK ◀ and ▶ key on R/C.
(7) Set CR-V phase data as shown below by using THUMB STICK▲ and ▼ key on R/C.
(8) Push HELP key on R/C to exit from the PHASE mode.
(9) Push PIP MODE key 2 times on R/C to write the phase data to memory.
(10) When Green dots are displayed, push MUTE key to return to DCU ADJ. mode.
(11) Push "SERVICE ONLY" SW to return to RF or VIDEO mode.

**HD MODE**

(12) Receive any HD signal (Set to video: 1 or 2 mode with HD input to component jacks).
(13) Repeat steps (2) ˜(11) above.

**PROGRESSIVE MODE**

| PHASE MODE |
|---|
| PH-H: BB |
| PH-V: 0C |
| CR-H: 4C |
| CR-V: 00 |

**HD MODE**

| PHASE MODE |
|---|
| PH-H: BB |
| PH-V: 07 |
| CR-H: 4C |
| CR-V: 0C |

### 2.3 HOR. POSITION ADJUSTMENT (Coarse)

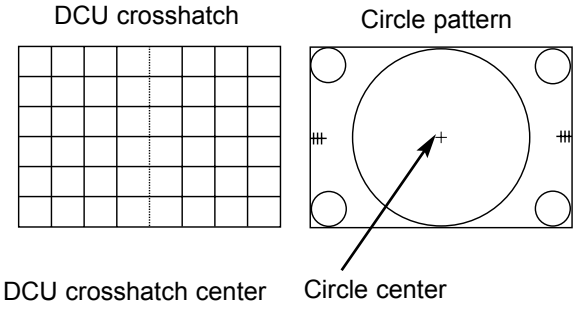
Adjustment preparation

(1) DCU PHASE DATA SETTING should be finished.

Adjustment procedure

**PROGRESSIVE MODE**

(1) Receive circle pattern (03ch.)
(2) Push SERVICE ONLY switch then DCU crosshatch is displayed. Mark the DCU crosshatch center position using your finger tip.
(3) Push SERVICE ONLY switch again to exit from the DCU crosshatch.
(4) Go to I²C ADJ. mode.
(5) Choose H. POSI item by using R/C MENU (or up/down cursor) key. Adjust horizontal position to match the circle center to DCU crosshatch center (marked by your finger tip).
(6) Exit from I²C menu.




**HD MODE**

(1) Receive 1080I (fH=33.75KHz) circle pattern signal. (Input to component video terminal.)
(2) Repeat above steps (2)~(6).

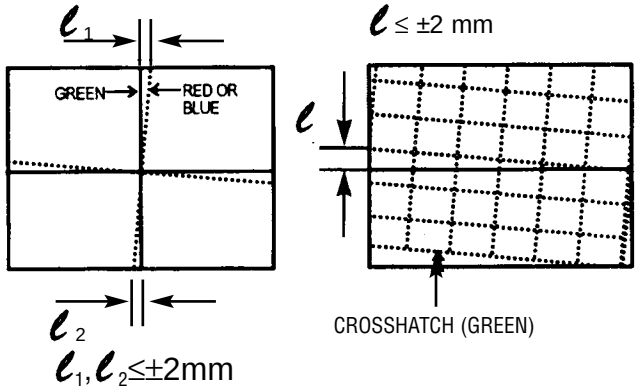
### 2.4 Raster Tilt adjustment (Deflection yoke)

Adjustment preparation

(1) The set can face east or west.
(2) Input the single cross test signal.
(3) Set video conditions to factory preset.
(4) The lens focus and horzontal position adjustment should have been coarse adjusted.
(5) The electric focus should have been coarse adjusted.
(6) The digital convergence RAM should be cleared (uncorrected state). With the TV set off, press and hold the service switch located on the Power/Deflection PWB and then press the power button.
(7) Start adjustment 20 minutes or more after TV is turned on.

Adjustment procedure

(1) Apply covers to the R and B lenses and project only green light.
(2) Turn the G deflection yoke and adjust the vertical raster inclination.
(3) Then, remove the cover of R or B lens and project red or blue light and green light together on screen.
(4) Turn the deflection yoke of R or B and set so that the inclination of R or B light with respect to the green light is as shown below on the top and bottom sides.
(5) After raster inclination adjustment, fixing screw of DY should be screwed with 12±2kg-cm torque.




**Notes:** (1) If internal cross-hatch does not appear after clearing RAM data, press service switch again, on POWER/DEFLECTION PWB.
(2) To restore old RAM data, turn TV off and on.

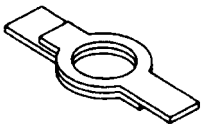
### 2.5 Beam alignment

Adjustment preparation

(1) Adjust at least 30 minutes after turning on power switch.
(2) Raster tilt should be completed. Raster position, horizontal and vertical size, and optical focus adjustment should be coarse adjusted.
(3) Set video conditions to factory preset.
(4) Receive cross-hatch signal. (Use of internal cross-hatch signals allowed.)

Adjustment procedure

(1) Green (G) tube beam alignment adjustment. Short-circuit 2P subminiature connector plug pins of Red (R) and Blue (B) on the CPT boards and project only Green (G) light or you may cover the R and B lens.
(2) Put Green (G) tube beam alignment magnet to the cancel state as shown below.



(3) Turn the Green (G) static focus (Focus Pack) counterclockwise all the way and make sure of position of cross-hatch center on screen. (Halo state.)
(4) Turn the Green (G) static focus (Focus Pack) clockwise all the way. (Blooming state.)
(5) Turn two magnets forming alignment magnet in any desired direction and move cross-hatch center to position found in (3).
(6) If image position does not shift when Green (G) static focus (Focus Pack) is turned. Green (G) beam alignment has been completed.
(7) If image position shifts when Green (G) static focus (Focus Pack) is turned, repeat (2)-(6).
(8) Conduct beam alignment for red (R) and Blue (B) focus: Focus Pack UFPK.
(9) Upon completion of adjustment, fix beam alignment magnets with white paint.

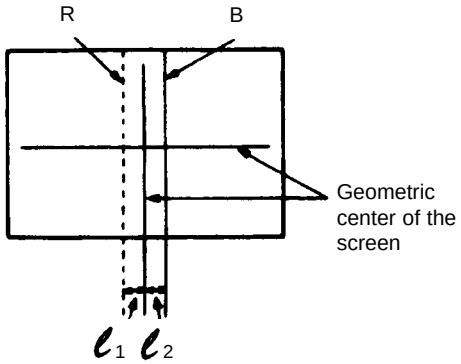
## 2.6 Raster position adjustment

Adjustment preparation
(1) The set can face east or west.
(2) Input the single cross test signal.
(3) Set video conditions to factory preset.
(4) The electric focus should have been coarse adjusted.
(5) The digital convergence RAM should be cleared (uncorrected state). With the TV set off, press and hold the service switch located on the Power/Deflection PWB and then press the power button.
(6) Start adjustment 20 minutes or more after TV is turned on.

Adjustment procedure
(1) Turn the centering magnets for red, green, and blue to satisfy the condition below. The red and blue horizontal lines should match with green.

| | $\ell_1$ (RED) | $\ell_2$ (BLUE) |
|---|---|---|
| 53SDX01B | 15 | 25 |
| 61SDX01B | 15 | 25 |

Tolerance: ± 2mm




(2) Upon completion of adjustment, fix centering magnets with white paint.

**NOTES:** (1) If internal cross-hatch does not appear after clearing RAM data, press service switch again.
(2) To restore old RAM data, turn TV off and on.

## 2.7 Vertical size adjustment

Adjustment preparation
(1) The set can face east or west.
(2) Set video conditions to factory preset.
(3) The electric focus should have been coarse adjusted.
(4) Start adjustment 20 minutes or more after TV is turned on.

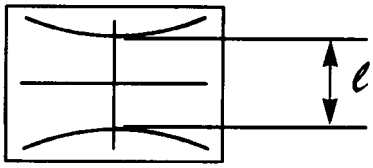
Adjustment procedure

**PROGRESSIVE MODE**

(1) Receive any NTSC signal.
(2) Press the SERVICE ONLY SW on DEFLECTION PWB.
(3) Locate the vertical size VR (R630) (see page 53). Adjust the vertical size according to the following table.

| $\ell$ = | PROGRESSIVE MODE |
|---|---|
| 53SDX01B | 670 |
| 61SDX01B | 775 |

Tolerance: ± 5mm




**Notes:**(1) If internal cross-hatch does not appear after clearing RAM data, press service switch again (on POWER/DEFLECTION PWB).
(2) To restore old RAM data, turn TV off and on.

## 2.8 Horizontal size adjustment

Adjustment preparation
(1) The set can face east or west.
(2) Set video conditions to factory preset.
(3) The electric focus should have been coarse adjusted.
(4) Start adjustment 20 minutes or more after TV is turned on.

Adjustment procedure

**PROGRESSIVE MODE**

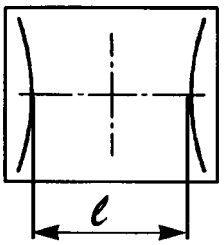
(1) Receive any NTSC signal.
(2) Press the SERVICE ONLY SW on DEFLECTION PWB.
(3) Locate the horizontal size VR (R683) (see page 53). Adjust horizontal size to the table below.

**HD MODE**

(1) Input 1080i (fH=33.75kHz) component signal to VIDEO 1 or 2.
(2) Press the SERVICE ONLY SW on DEFLECTION PWB.
(3) Locate the horizontal size VR (R686) (see page 53). Adjust the horizontal size to the following table.

| $\ell$ = | PROGRESSIVE MODE | HD MODE |
|---|---|---|
| 53SDX01B | 1050 | 1050 |
| 61SDX01B | 1200 | 1200 |

Tolerance: ± 5mm




**Notes:** (1) Once Prog. mode Horizontal size adj. is done, do not touch the VR (R683) again. Move to HD Horizontal Size Adjustment.
(2) To restore old RAM data, turn TV off and on.

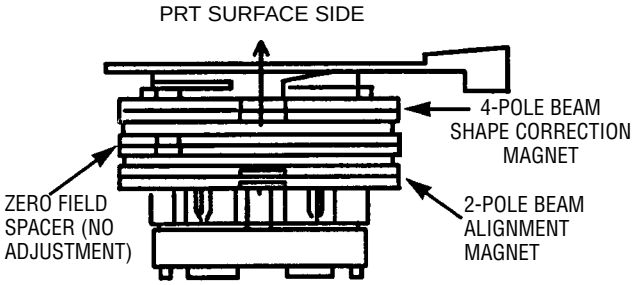
## 2.9 Beam form adjustment

Adjustment preparation

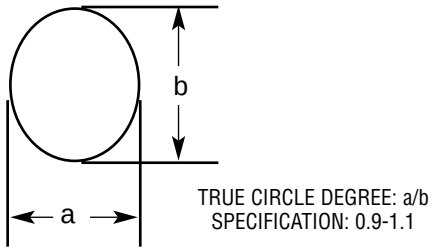
(1) The beam alignment should have been completed.
(2) The raster tilt, centering, horizontal/ vertical size, scanning area check, and raster distortion should have been completed.
(3) Set video conditions to factory preset.
(4) Input the dot signal.

Adjustment procedure

(1) Green PRT beam shape adjustment. Short-circuit 2P sub-mini connectors on Red and Blue CPT P.W.B.s to project only the Green beam.
(2) Turn the green static focus VR, on the Focus Pack, fully clockwise. (Blooming)
(3) Make the dot at the screen center a true circle using the 4-pole magnet as shown below.
(4) Also adjust the Red and Blue PRT beam shapes according to the steps (1) to (3).
(5) After the adjustment has been completed, return R, G and B static VRs to the just focus point.




TRUE CIRCLE SPECIFICATION



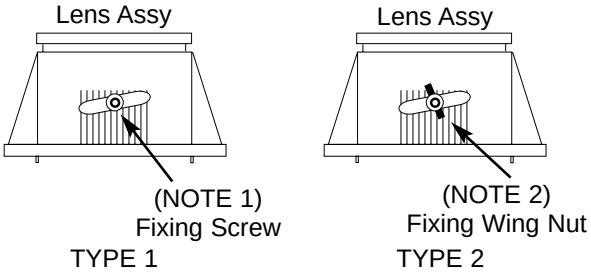

## 2.10 LENS FOCUS ADJUSTMENT

Adjustment preparation

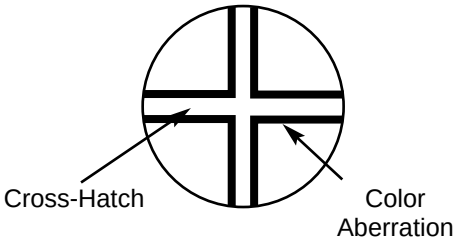
(1) The orientation of PTV set is arbitrary, west, east, north and south.
(2) Centering DY inclination should have been adjusted.
(3) Electrical focus adjustment should have been completed.
(4) Drive VR location adjustment should have been completed. (Red : 12 O'clock, Green : 1~2 O'clock).
(5) Receive the cross-hatch pattern signal.
(6) Refer to setup below.
CONTRAST : HALF of full scale.
BRIGHTNESS : minimum

Adjustment procedure

(1) Loosen the fixing screw or wing nut on the lens cylinder so that the lens cylinder can be turned. (Be careful not to loosen too much). After completing steps (4), (5), (6) below, tighten the fixing screws or wing nuts for each lens with a torque of 1.18N.m (12Kgf cm) ~ 1.67N.m (17Kgf cm). (Be careful the lens cylinder does not turn after having tightened the screw or wing nuts. If it is tightened too much, lens may tilt or screw may break.)

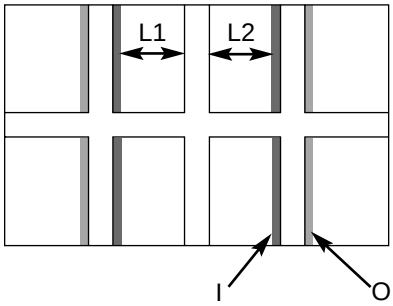



(2) Apply covers to each color of R, G and B lenses. And project a single color on the screen and adjust in sequence. (The adjustment order of R, G and B is only an example.)
(3) If the lens adjustment knob is turned clockwise viewed from the front, the color Aberration change as follows.




| | Change of Color Aberration | |
|---|---|---|
| | Short focus | Long focus |
| RED LENS | Orange | Scarlet |
| GREEN LENS | Blue | Red |
| BLUE LENS | Purple | Green |

(4) In case of G lens. Set to the point where the chromatic aberration switches from blue to red. If the chromatic aberration appearing all over the screen is not the same, observe the vertical bright line and adjust lens focus as specified in table below. When the red chromatic aberration appearing at both sides of the bright line is not equal, observe the side with larger chromatic aberration when adjusting.

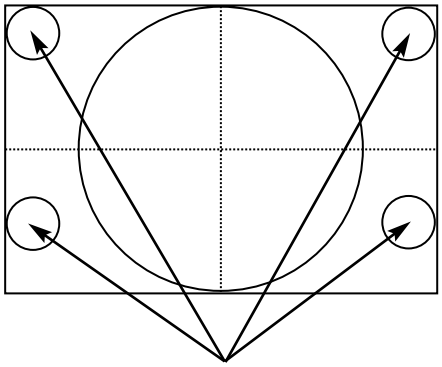


OPTICAL FOCUSING ADJUSTMENT GREEN

| CHASSIS | | DP06 (SB) | |
|---|---|---|---|
| SCREEN SIZE | | 61” | 53” |
| L1 and L2 (PITCHES from CENTER) | | 3.0 | 4.0 |
| COLOR ABERRATION | BETWEEN L1&L2 | ** | * |
| | I | ** 2mm MAX | * 2.5mm MAX |
| | O | ** 2mm MAX | * 2.5mm MAX |

(NOTE) * Slightly reddish or no color
** Slightly reddish or no color

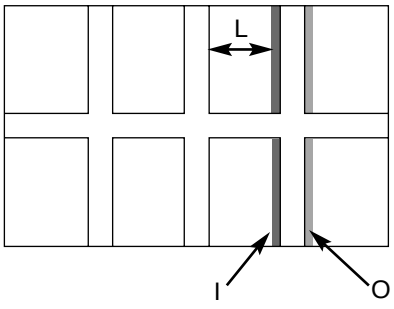
Change the signal to the circle pattern and fine adjust. Observe the corner part of the screen, especially observe number in the small circle when adjusting. If the focus performance at the screen center exceeds the lower limit, it is acceptable.



Small circle of circle pattern

NOTES: 1. Since the G light is very important for picture quality and performance, pay special attention in its adjustment.
2. Be careful not to touch the lens with your fingers when adjusting.

(5) In case of R lens. Set the position where the chromatic aberration changes from red to crimson. As shown below, observe the vertical bright line and adjust lens focus where the crimson or red chromatic aberration slightly appears inside and crimson or red outside (reference value : 1~3mm) at the point specified in table below. Change the signal and fine-adjust in the same way as the G lens.



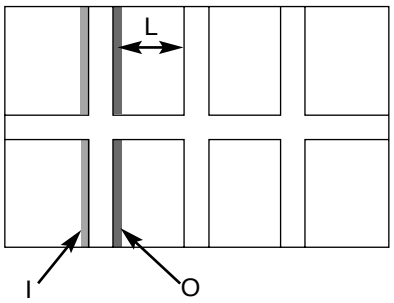

NOTE: Setting the center between Red and crimson is optimum.

OPTICAL FOCUSING ADJUSTMENT RED

| CHASSIS | | DP06 (SB) | |
|---|---|---|---|
| SCREEN SIZE | | 61” | 53” |
| L1 and L2 (PITCHES from CENTER) | | 3.0 | 0.0 CENTER |
| COLOR ABERRATION | BETWEEN L1&L2 | * | -- |
| | I | * 2mm MAX | * 2.5mm MAX |
| | O | ** 2mm MAX | * 2.5mm MAX |

(NOTE) * Slightly reddish or no color
** Slightly reddish or no color
Setting to center between red and crimson is optimal.

(6) In case of B lens. Set the position where the chromatic aberration changes from purple to green. As shown below, observe the vertical bright line and adjust lens focus where the purple or green chromatic aberration slightly appears inside and purple or green outside (reference value : 1~3mm) at the point specified in table below. Change the signal and fine-adjust in the same way as the G lens.




NOTE: Setting to the center between purple and crimson is optimum.

Adjustment Procedure

(7) After all colors have been adjusted, display all colors with the cross-hatch pattern signal and compare the focus (optical focus) performance with the limit sample set.
(8) Then, select the circle pattern signal and compare the focus (optical focus) performance of each color and all colors together with the limit sample set.
(9) If the focus performance is worse than the limit sample set, re-adjust step (1) to (6).

## 2.11 STATIC FOCUS ADJUSTMENT

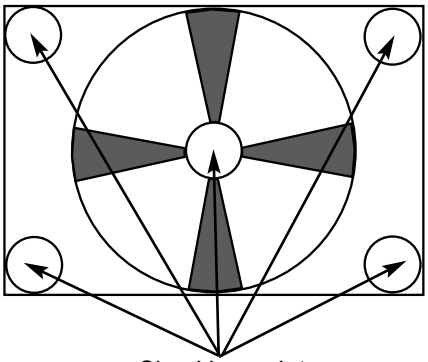
Adjustment preparation

(1) LENS FOCUS adjustment should be finished.
(2) Contrast : MAX
Brightness : Center.
(3) Receive the circle pattern signal.
(4) Apply covers to the lens of the colors you are not adjusting and project only one color on the screen.

Adjustment procedure

(1) Red and blue static focus adjustment. Adjust the static focus VR on Focus pack (UFPK) so that the center of circle pattern is the most clear. Check that the focus does not get conspicuously worse at the edges of the circle pattern signal or cross-hatch signal.
(2) Green static focus adjustment. Adjust the static focus VR on Focus pack (UFPK) (for green) so that the center of circle pattern is the most clear. Check that the focus does not get conspicuously worse at the checking point, the periphery of circle pattern cross-hatch signal.

NOTE: Checking point for the periphery of picture.



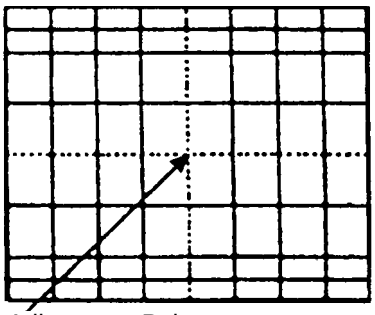
Checking point

## 2.12 Digital convergence adjustment

**Note:** If replacing a PRT, DY, etc. perform auto-digital convergence first. (Press front panel MAGIC FOCUS switch when in normal customer mode). This can eliminate the need for a complete digital convergence alignment.

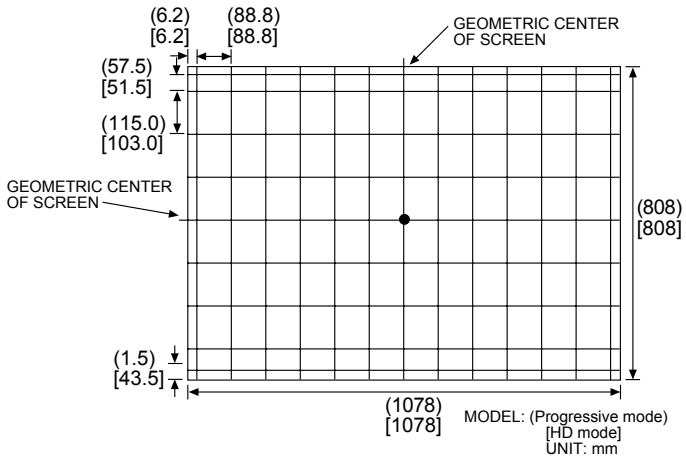
Adjustment preparation

(1) Receive an RF or video signal.
(2) Set controls to factory preset.
(3) Install jig screen on the set.
(4) Note the center of the video pattern displayed. This is necessary to match dotted lines (adjustment point viewed) and actual point that is adjusted and displayed by the video signal.
(5) Press the service only switch (on POWER/DEFLECTION PWB). The pattern displayed is now the digital convergence mode.
(6) When performing a complete digital convergence adjustment CLEAR DATA in RAM. (With the TV set off, press and hold the service switch located on the Power/Deflection P.W.B. and then press the POWER button).

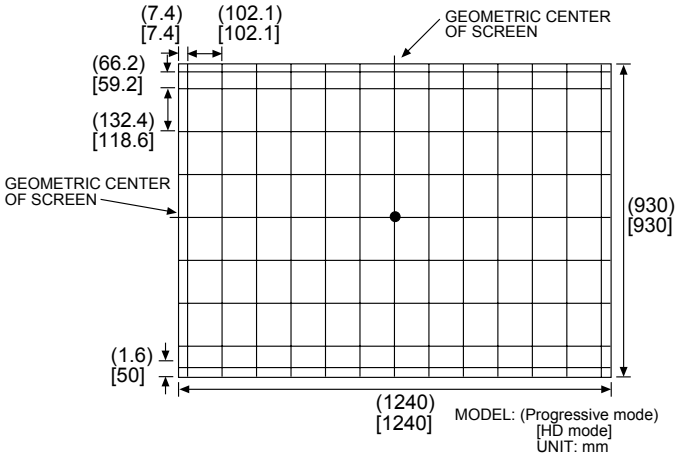


Adjustment Point

## 53” JIG SCREEN SPECIFICATION 4:3
## (P# H312223)
## [P# H312224]




## 61” JIG SCREEN SPECIFICATION 4:3



**Note:** If only minor adjustments to convergence are needed, the jig screen is not necessary. Use digital data stored in memory and one color as a reference (red, green, or blue). DO NOT CLEAR DATA and WRITE to ROM memory.

### 2.12.1 Raster position adjustment

Adjustment preparation

(1) Position adjustment - This will move an entire color. Use this adjustment to match colors at the center of the screen. (Active video center from external signal and physical screen center should now match from phase adj. 2.2.).
(2) Use the buttons below to switch color to adjust.
"RECALL" - Green
"0" - Red
"INPUT" - Blue

Adjustment procedure

(1) Press the FREEZE button. Extra horizontal lines appear to confirm raster position mode.
(2) Use the thumb stick to adjust position.
(3) Press FREEZE again to exit raster position mode.

**Notes:** (1) Other functions cannot be accessed when in raster position adjustment mode. Press FREEZE and confirm extra horizontal lines disappear to exit raster position mode.
(2) Press MENU to switch between all colors displayed or adjustment color and Green only.

### 2.12.2 Convergence point adjustment

Adjustment preparation

(1) Select color to adjust.
"RECALL" - Green
"0" - Red
"INPUT" - Blue
(2) Use 4, 6, 2, and 5 to move the cursor position (dotted lines).
(3) Use thumb stick to move the convergence point.
(4) Three adjustment modes are available:
1. (3x3) Press "RECALL" 5 times (only works when DCU is in uncorrected state)
2. (7x5) Press "0" 5 times
3. (13x9) Press "INPUT" 5 times

For touch-up, only the (13x9) mode is necessary. This will adjust every cross-hatch intersection point on the screen.

For complete adjustment, start with (3x3) mode. This will adjust center point and eight edge points only, but will greatly reduce adjustment time. Then use (7x5) mode, and finally (13x9) mode to finish convergence.

If "S" distortion appears between cross-hatch lines repeat (7x5) mode to change calculation process while adjusting to remove distortion, then return to (13x9) mode to finish touch-up convergence.

Adjustment procedure

**PROGRESSIVE MODE**

(1) Receive any NTSC signal.
(2) Start adjustment at the center of the screen.
(3) Continue adjustment at next closest position.
(4) Adjust center area first, ending with edge sections.
(5) Press INFO button to perform calculation operation. This process will take about 2 seconds and no picture will be seen at this time.
(6) After interpolation, check convergence again and repeat (1)-(5) if necessary.
(7) When convergence is acceptable, press PIP MODE to write data to ROM memory. ROM WRITE? is displayed to alarm system that ROM will be overwritten with new data. Press the PIP MODE button again to write displayed data to ROM.
(8) DATA WRITE TO ROM will take approximately 4 seconds and no picture will be displayed.
(9) Green dots will be displayed when operation is completed.
(10) Press MUTE to return to convergence pattern, then confirm again convergence is acceptable.
(11) Press PIP MODE (ROM WRITE) mode, then press PIP CH to initialize sensor data positions.

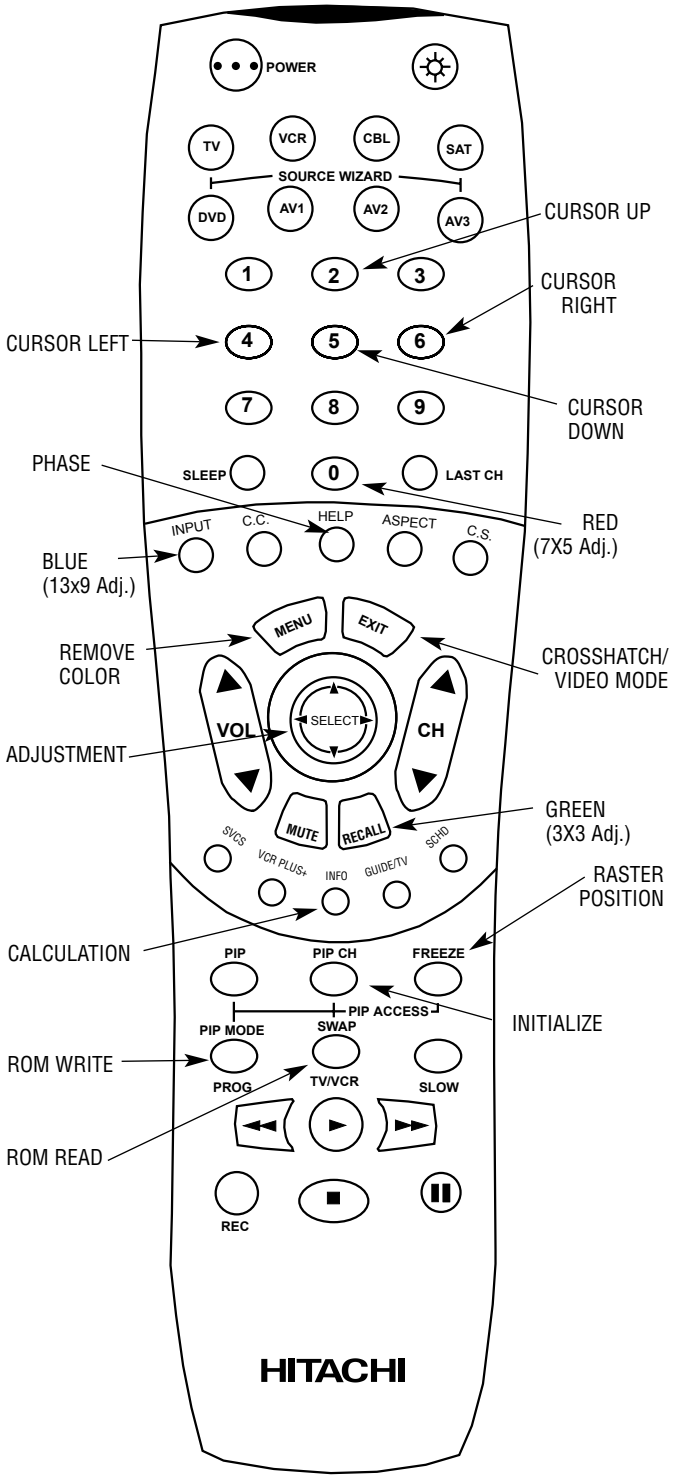
Adjustment procedure

**HD MODE**

(1) Receive any HD signal.
(2) Repeat steps 2~11 above.

**Notes:** (1) Display only green for easier adjustment and match to jig screen. Press "MENU", THEN PRESS "RECALL".
(2) Perform interpolation and data write to ROM after green adjustment. Once green has been confirmed to match jig screen, the jig screen can be removed. Do not readjust the green color after jig screen has been removed. This is now your reference color.
(3) Display green and red only and match red to green.
(4) Display all colors and match blue to green and red. Touch-up red color if necessary.
(5) Existing DATA in ROM can be read by pressing the SWAP button 2 times. This data can be used after replacing a component (CRT, DY, etc.) Where complete convergence adjustment is not necessary be careful not to overwrite this data.
DO NOT write cleared RAM data into ROM or a complete convergence adjustment will be necessary. Remember to try MAGIC FOCUS before starting convergence adjustment to minimize adjustment time.

### 2.12.3 Digital Convergence Remote Control



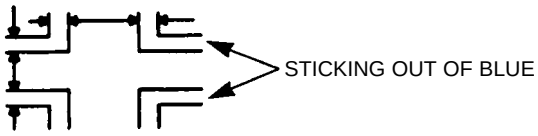

### 2.13 Blue defocus adjustment

Adjustment Preparation

(1) Optical and electrical focus adjustment should have been completed.
(2) The convergence adjustment should have been completed.
(3) Set Video conditions to factory preset.
(4) Input the cross-hatch signal.

Adjustment procedure

(1) Turn the B Focus VR (Focus Pack) fully clockwise.
(2) Adjust sticking out level of blue to specification shown in table below, by turning the (B) FOCUS VR counter clockwise.




UNEVENNESS SPECIFICATION: ±1cd/$m^2$

Defocus sticking out specification

| Screen Size | Blue sticking out |
|---|---|
| 53” | 1.0mm |
| 61” | 1.0mm |

**Condition:** User controls are set to the initial set positions (for shipment)

Measuring point-Screen center.

### 2.14 White balance adjustment

(1) Screen adjustment
(2) High light white balance.
(3) Low light white balance.

| Screen adjustment VRs | Drive adjustment VRs |
|---|---|
| Red: on FOCUS PACK | Red: R829 on CPT P.W.B. |
| Green: on FOCUS PACK | Green: R879 on CPT P.W.B. |
| Blue: on FOCUS PACK | |

Adjustment preparation

(1) Start adjustment after the power is turned on for 20 minutes or more.
(2) The vertical incident illumination on the screen should be 20 lux or less. (Room should be dark).
(3) Set the video settings (CONTRAST: max, others: center) to standard condition.
(4) The blue defocus and cut off adjustments should be completed.
(5) For low light white balance adjustment, input a white raster signal level of 0.286 Vp-p (Video input level).
(6) For high light white balance adjustment, input a white raster signal level of 0.715Vp-p (Video input level).
(7) Set the drive adjustment VRs (red and green) to 12 - 2 o'clock position.
(8) Set Video Advanced Settings-Color Temperature to COOL.

Adjustment procedure

(1) Select the input signal for high brightness (Video level = 0.715Vpp).
(2) Adjust the high brightness white balance using the drive adjustment VRs (red, green).
(3) Select the signal for low brightness (Video level = 0.286Vpp)
(4) Adjust the low brightness white balance using the screen adjustment VRs (red, green, blue). (Visually adjust).
(5) Check that high brightness white balance is still obtained. If it is not, return to step (2).

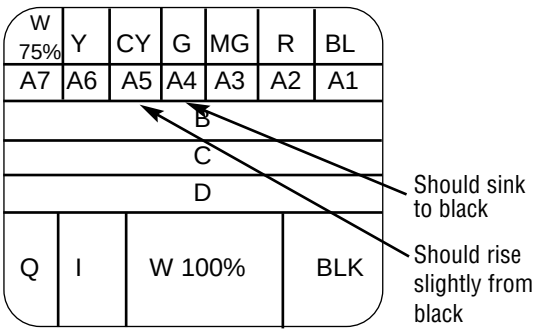
**NOTE:** When adjusting low level white balance, turn the screen VRs counterclockwise. The cut-off adjustment should already be completed and the screen VR's should not be increased past the level set at cut-off. Since the phosphorescent surface of the CRT is likely to be burned, be careful.

White balance = 10800° K ± 0 MPCD
Color coordinate = x …… 0.278
y …… 0.280

## 2.15 Sub brightness adjustment

Adjustment preparation

(1) Start adjustment after the power is turned ON for 20 minutes or more.
(2) Receive the color bar signal.
(3) Set video conditions to factory preset.
(4) The vertical incident illumination on the screen should be 20 lux or less. (Room should be dark).




Adjustment procedure

(1) Go to "Sub Brightness" adjustment in I²C ADJUST mode (press Input and Power button on Control panel at same time), using thumb stick ▲, ▼ and then thumb stick ►.
(2) Then adjust "Sub Brightness" using thumb stick ◄, ► to increase or decrease the value, according to figure. (Visually adjust).
(3) After adjustment, press MENU button to exit I²C ADJUST mode. (Data is stored in memory).

**Note:** When selecting SUB-BRIGHTNESS mode the microcontroller sets the CONTRAST and COLOR to MIN. automatically, but make sure that the other conditions are center.
Directly observe the screen by eye without using a mirror.

## 2.16 Horizontal position adjustment

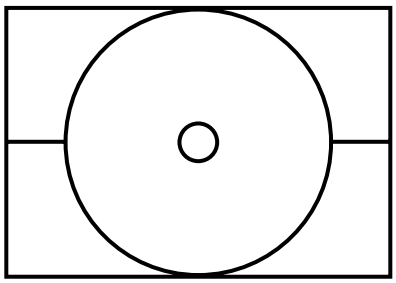
Adjustment preparation

(1) The set should face East or West.
(2) Set video conditions to factory preset.
(3) DIGITAL CONVERGENCE adjustment should be finished. (Progressive mode and HD mode).

Adjustment procedure

**PROGRESSIVE MODE**

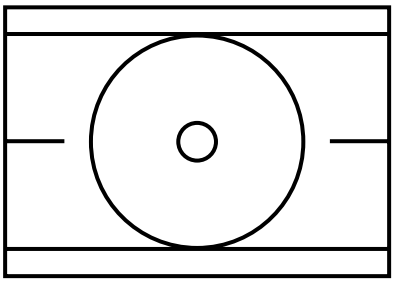
(1) Receive circle pattern signal.
(2) Go to I²C Adjustment mode by pressing INPUT and POWER button on control panel at the same time.
(3) Choose H. POSI item by using thumb stick ▲,▼.
(4) Adjust HOR. POSITION as following by using thumb stick ◄,►.



Spec: Balance Left/Right side display position for H. position. H. size marker 0.7~1.5.

**HD MODE**

(1) Input 1080i (fH=33.75kHz) component circle pattern signal to VIDEO 1 or 2.
(2) Go to I²C Adjustment mode by pressing INPUT and POWER button on control panel at the same time.
(3) Choose H. POSI item by using thumb stick ▲,▼.
(4) Adjust HOR. POSITION as following by using thumb stick ◄,►.



Spec: Balance Left/Right side display position for H. position.

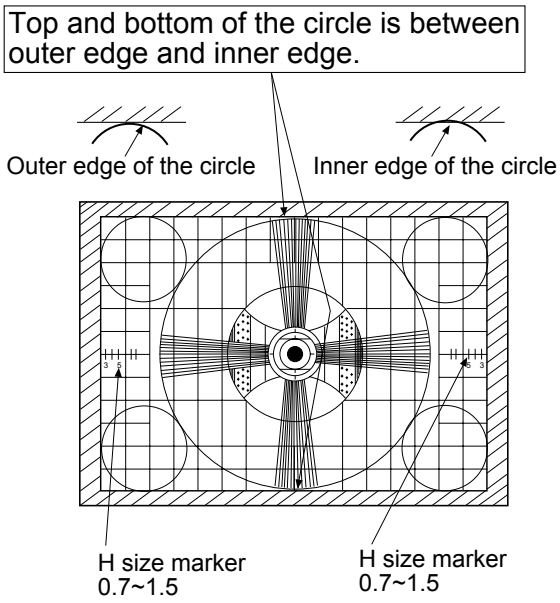
Balance Top/Bottom side display position for V. position (check only).

## 2.16 Scanning area check

Checking condition

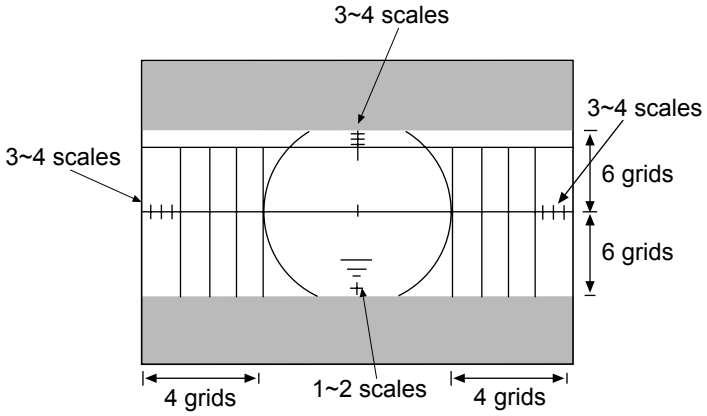
**PROGRESSIVE MODE**

(1) Digital convergence adjustment should have been completed.
(2) Receive the circle pattern signal.
(3) Brightness/Contrast - standard condition
Contrast:max
Other controls:center position
(4) Check that the scanning area matches with the following drawing.


Top and bottom of the circle is between outer edge and inner edge.
Outer edge of the circle
Inner edge of the circle
H size marker
0.7~1.5
H size marker
0.7~1.5

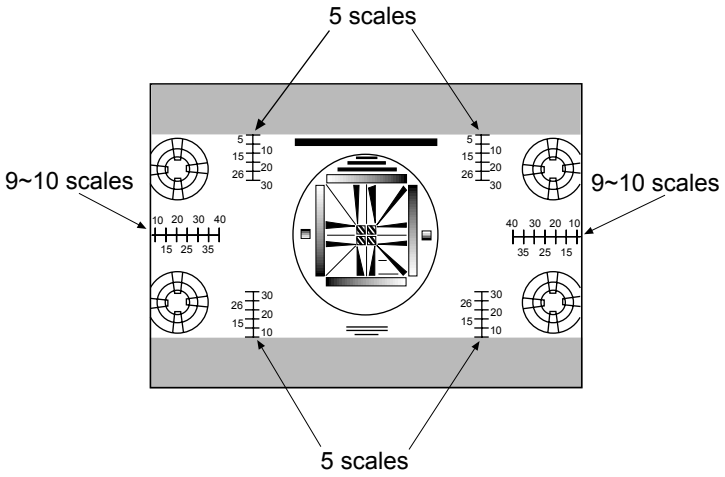
**HD MODE**

(1) Receive 1080i circle pattern No.59 of LT1611*, LT1608* of LEADER signal generator.




- LT1611 : Programmable Video Generator
- LT1608 : Video Encoder

(2) Receive 1080i circle pattern of LT-449 (Leader).



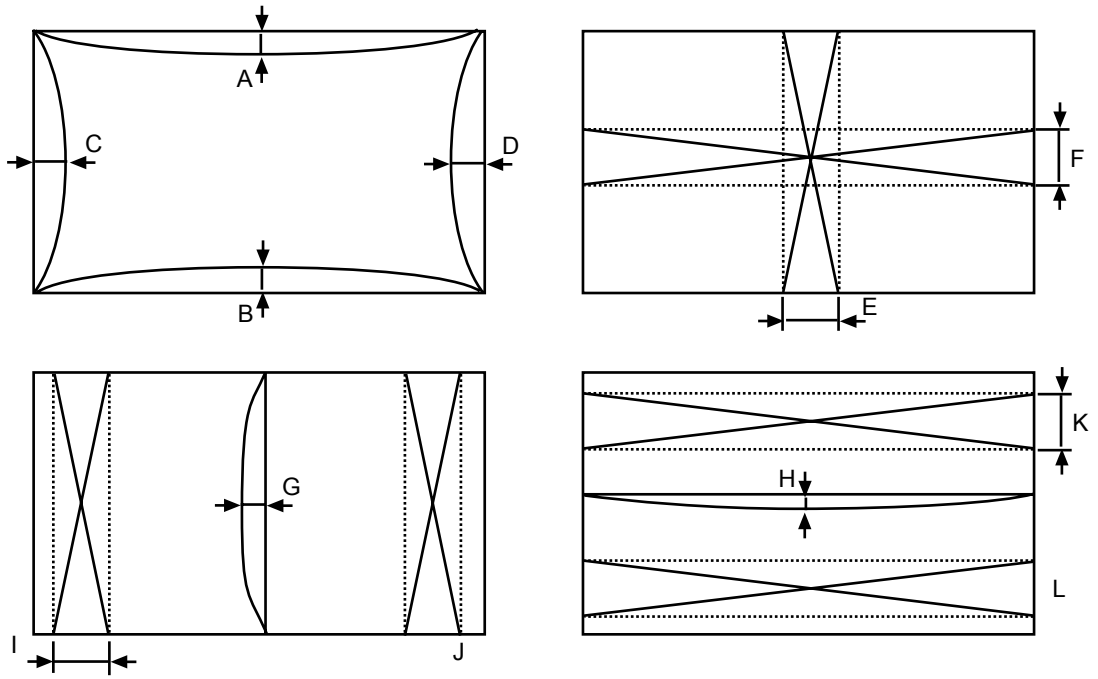

## 2.17 Raster distortion check

Checking condition

(1) Digital convergence adjustment should have been completed.
(2) Receive the cross-hatch signal (internal signal of the the set is acceptable).
(3) Brightness/Contrast --- standard condition
Contrast : max
Other controls : center position
(4) Check the raster distortion specification: Value shown in the table below or less.
A ~ D
I ~ L ---Measure the winding of the outside line.

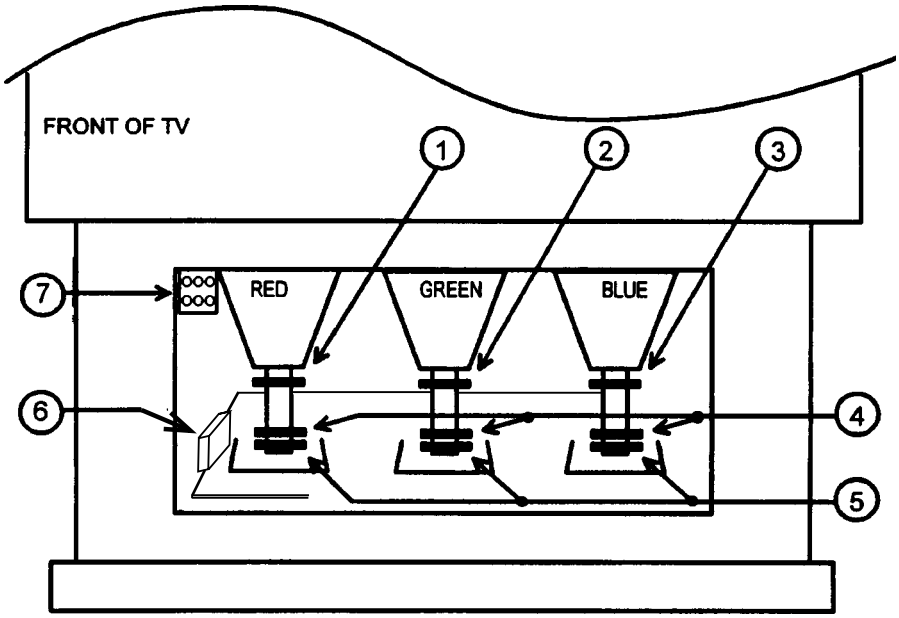
(unit: mm)

| Item | | Symbol | 53” | 61” |
|---|---|---|---|---|
| Top/Bottom pincushion distortion | | A,B | ±6 | ±6 |
| Right/Left pincushion distortion | | C,D | ±4 | ±5 |
| Center line tilt | Vertical line | 5 | 6 | 6 |
| | Horizontal line | 5 | 6 | 6 |
| Center line winding | Vertical line | ±3 | ±3 | ±4 |
| | Horizontal line | ±3 | ±3 | ±4 |
| Trapezoidal distortion | Vertical line | 4 | 5 | 5 |
| Skew distortion | Horizontal line | 5 | 6 | 6 |



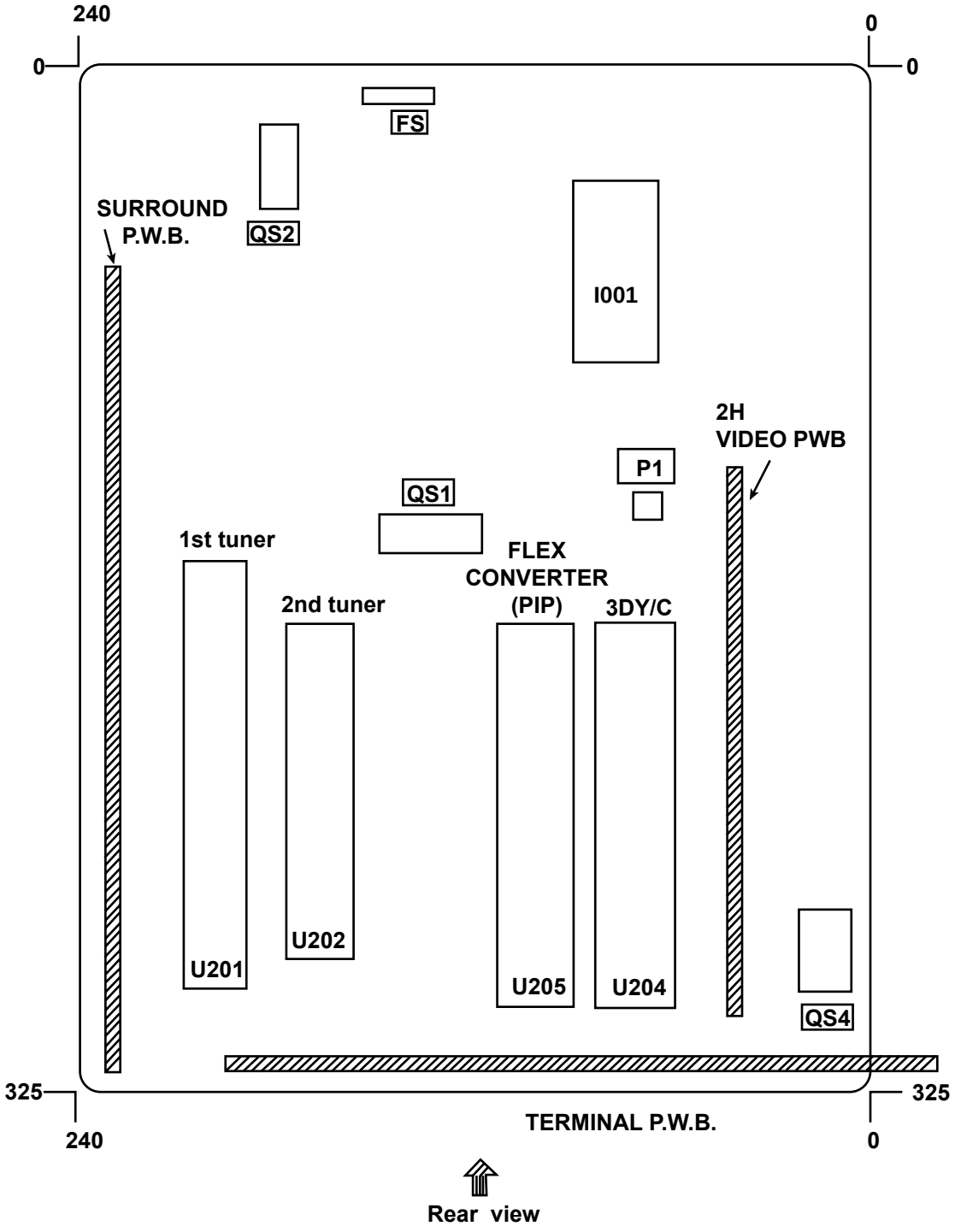
## 3. ADJUSTMENT POINT

### 3.1 CRT, cabinet locations

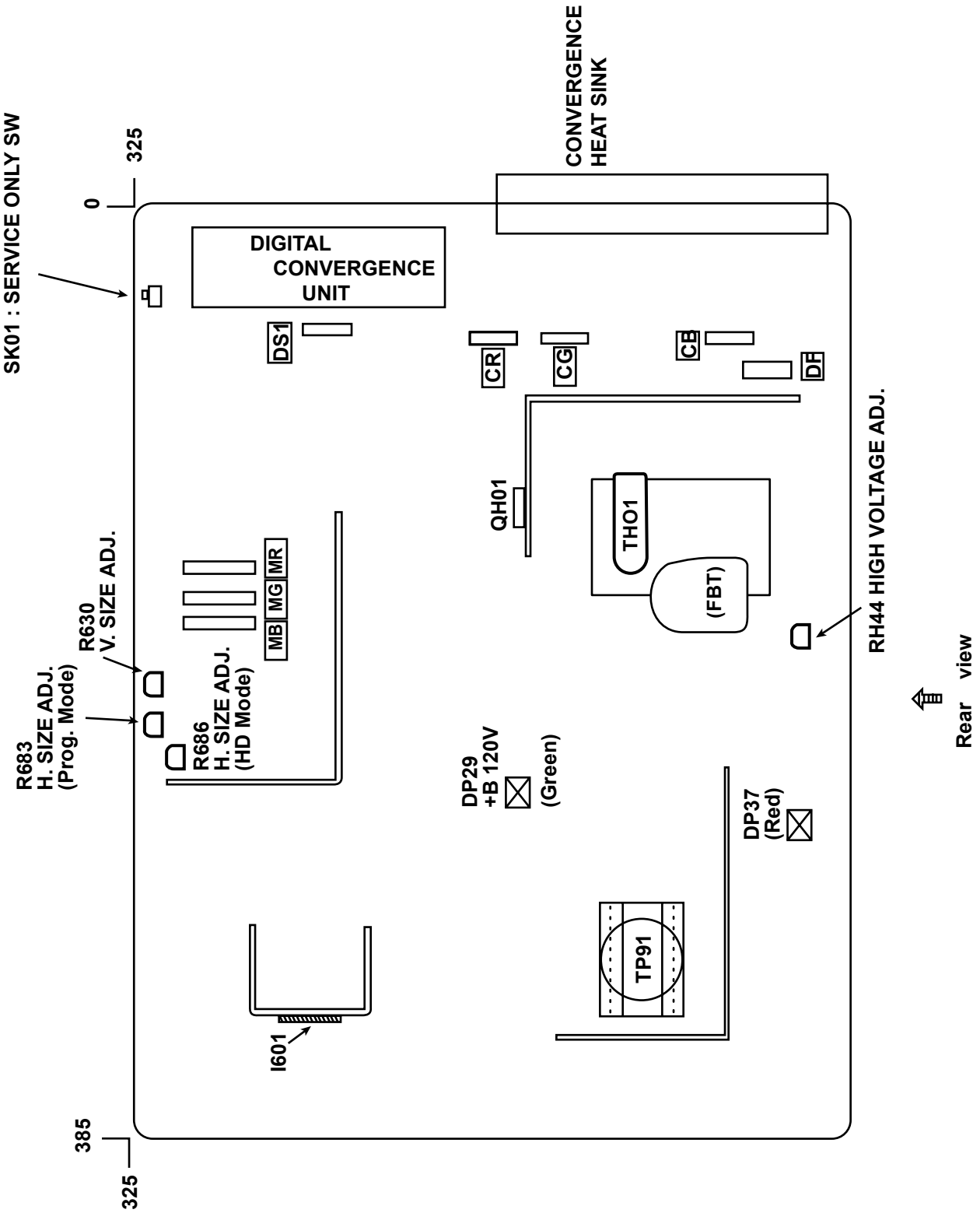



1. CENTERING MAGNET FOR RED PRT
2. CENTERING MAGNET FOR GREEN PRT
3. CENTERING MAGNET FOR BLUE PRT
4. 4-POLE MAGNET FOR BEAM FORM ADJUSTMENT
5. BEAM ALIGNMENT MAGNET
6. DIGITAL CONVERGENCE MODULE (On Power/Deflection Board)
7. FOCUS PACK (Top Adjustments for Screen, Bottom for Focus)

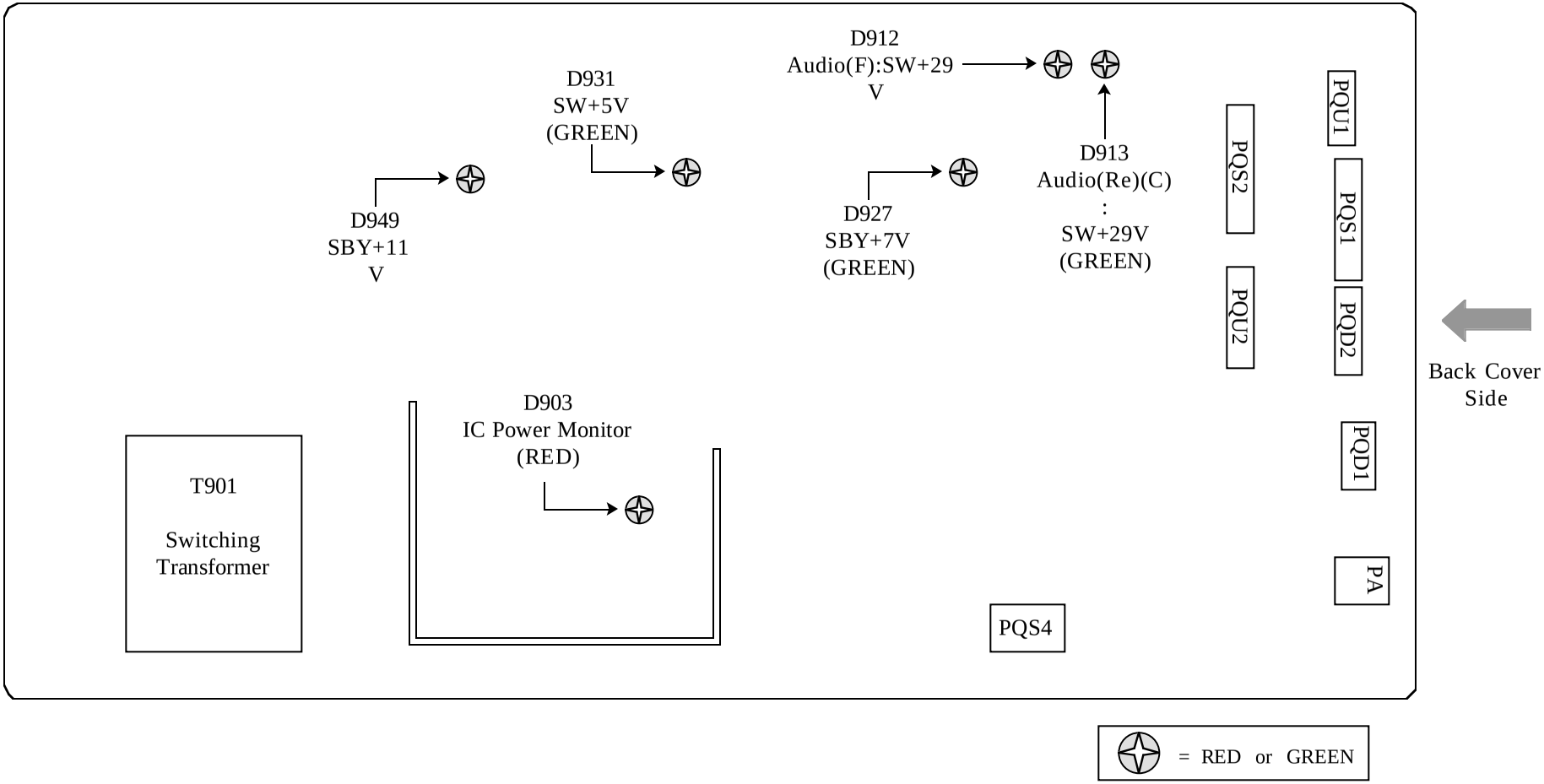
### 3.2 MAIN CHASSIS
### (Signal P.W.B.)



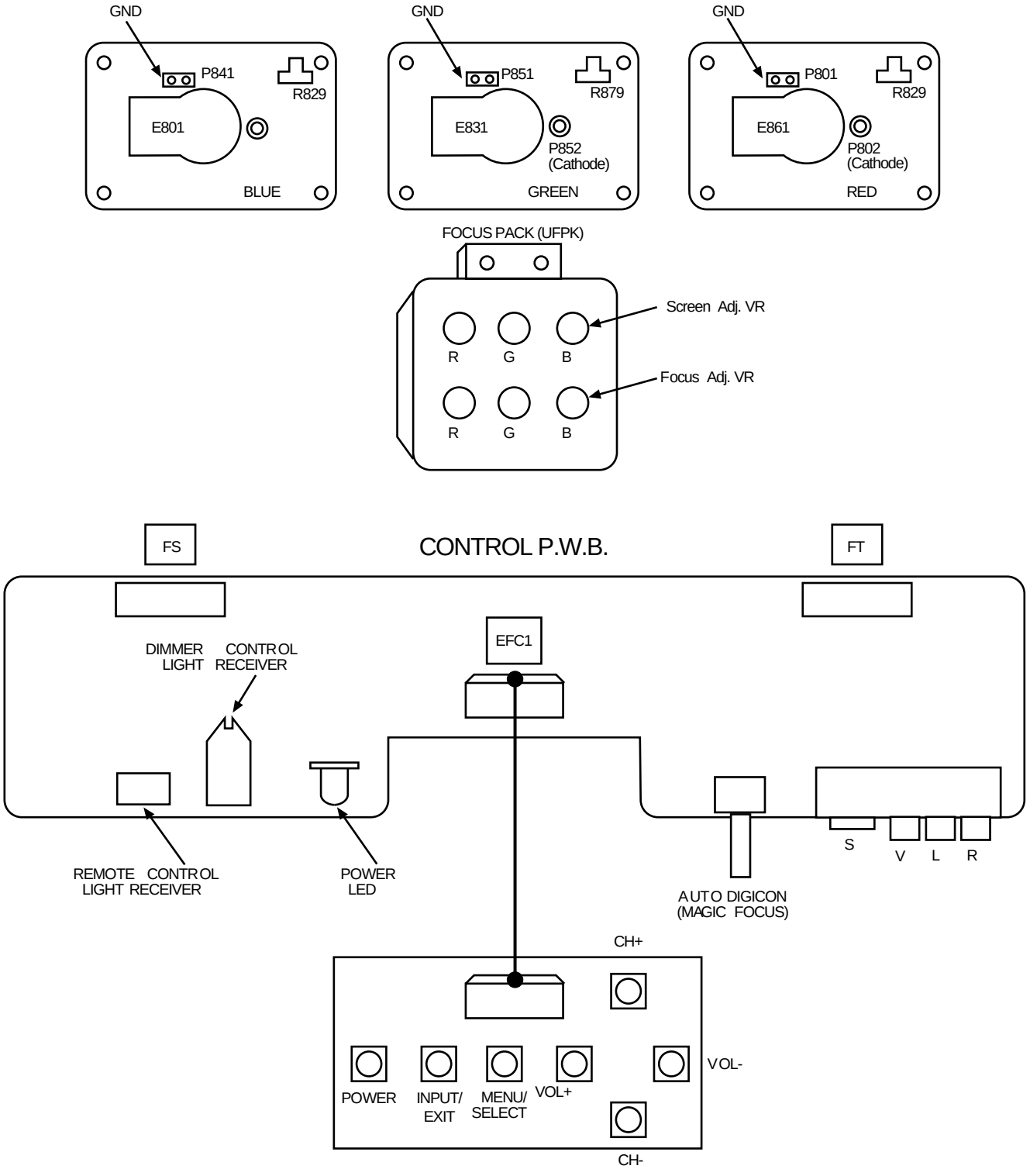
### 3.3 MAIN CHASSIS
### (Power/Deflection P.W.B.)

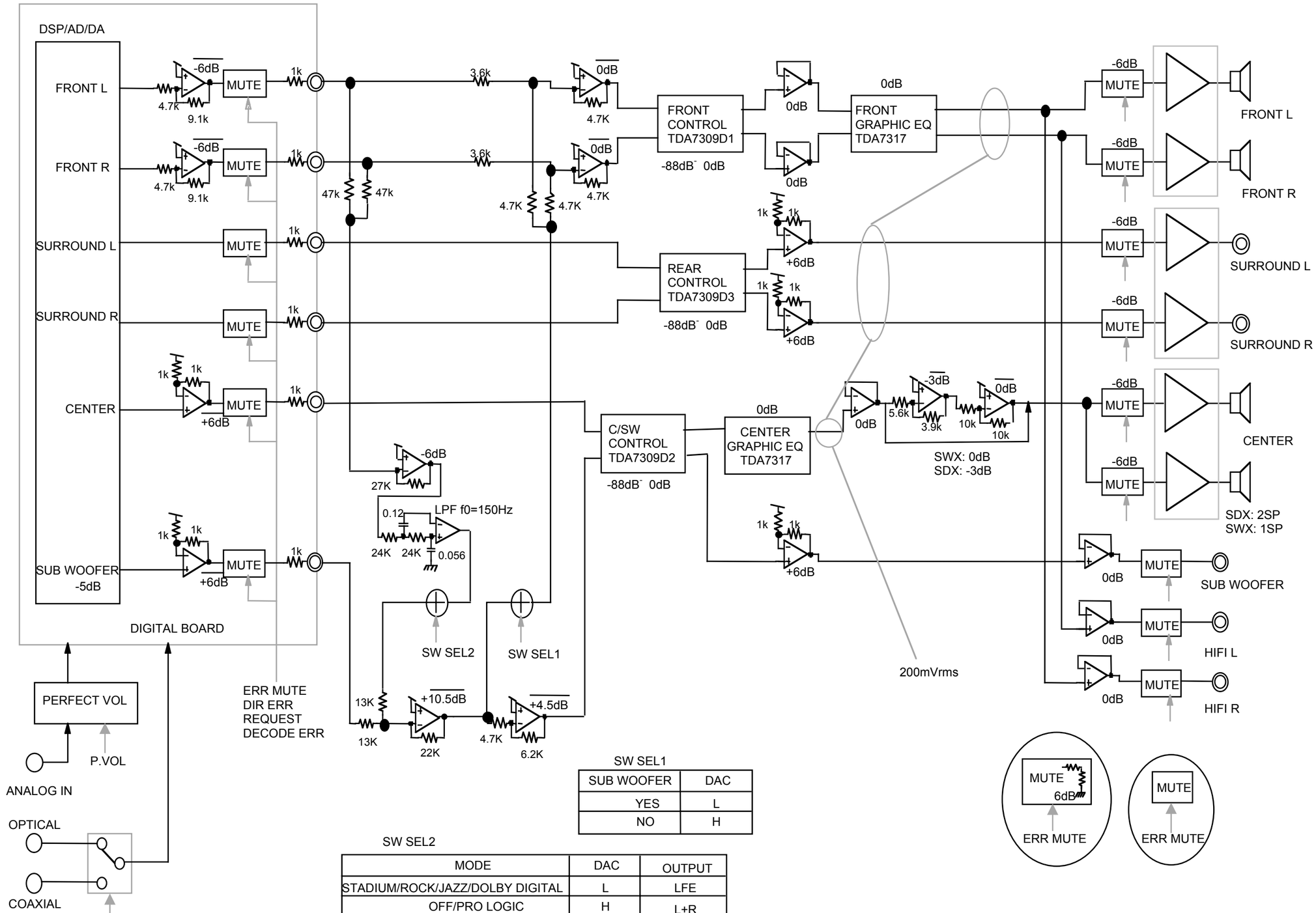


# ***DP06 POWER SUPPLY P.W.B.***



### 3.5 CPT (R) (G) (B), Focus Pack, Control P.W.B.






SW SEL1

| SUB WOOFER | DAC |
|---|---|
| YES | L |
| NO | H |

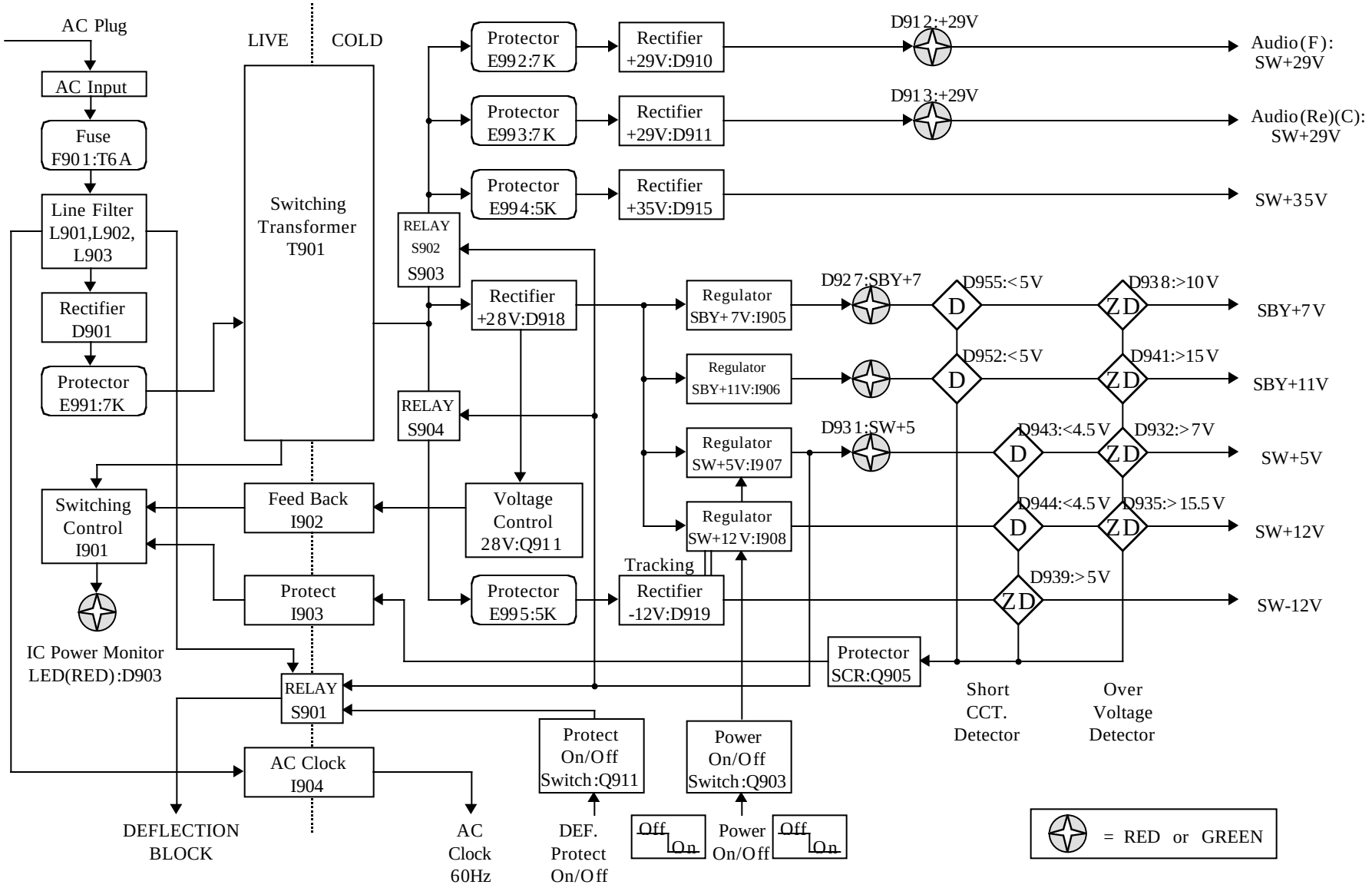
SW SEL2

| MODE | DAC | OUTPUT |
|---|---|---|
| STADIUM/ROCK/JAZZ/DOLBY DIGITAL | L | LFE |
| OFF/PRO LOGIC | H | L+R |

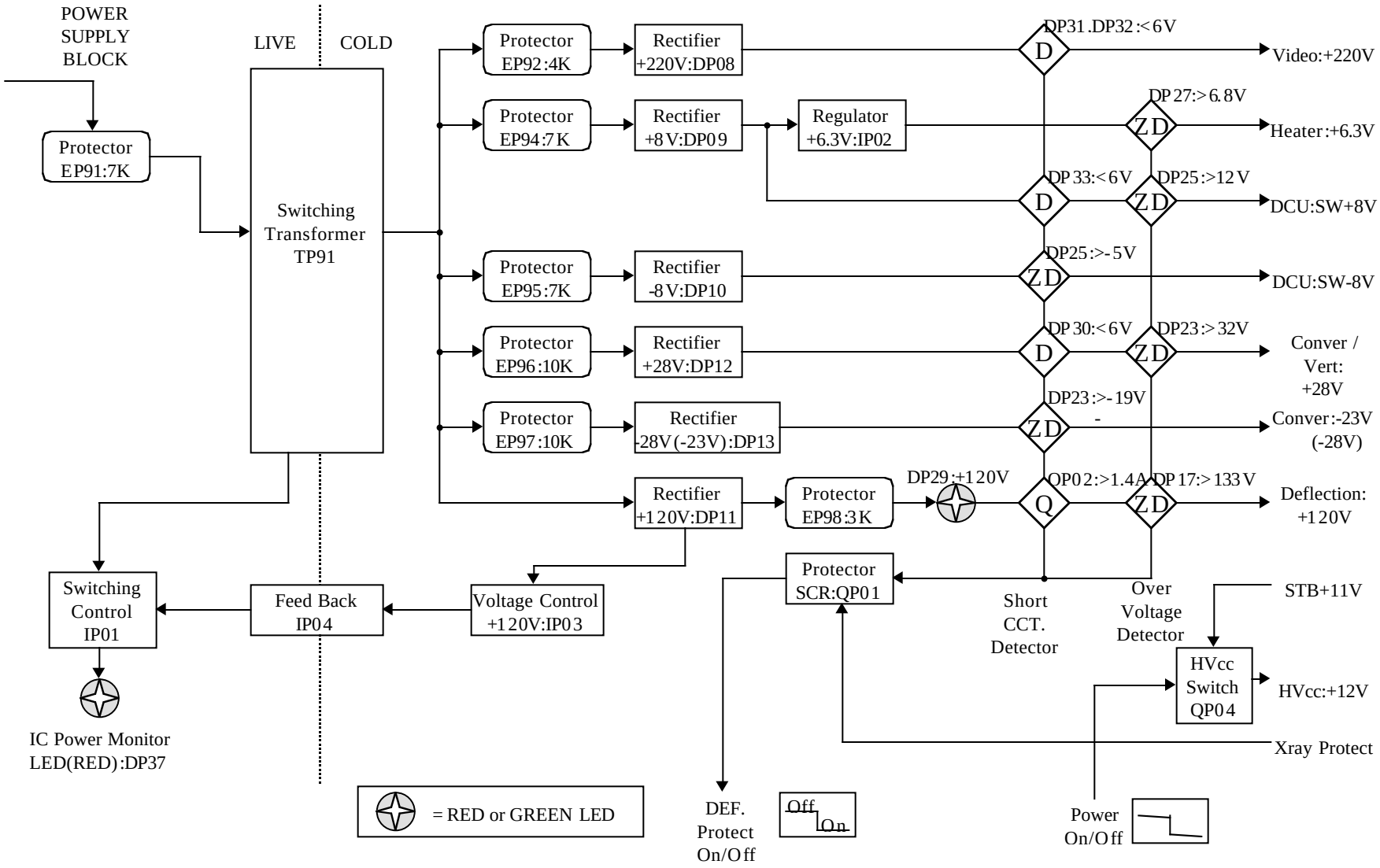
| OPTI/COAX SEL | OUTPUT |
|---|---|
| L | OPTICAL |
| MID | COAXIAL |
| H | MUTE |

# DP0X AUDIO LEVEL DIAGRAM

# *DP0X PROTECTION CIRCUIT BLOCK DIAGRAM*

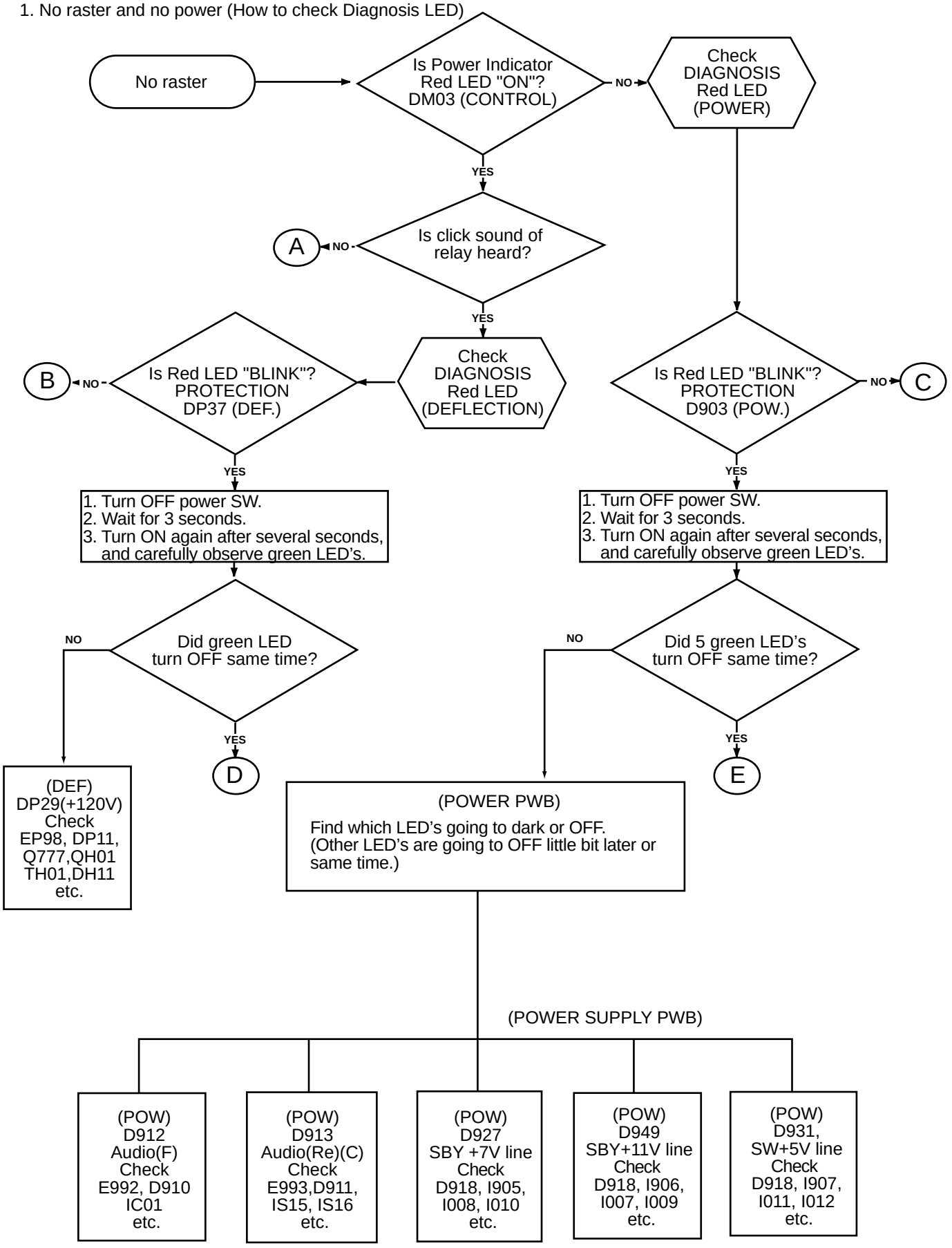


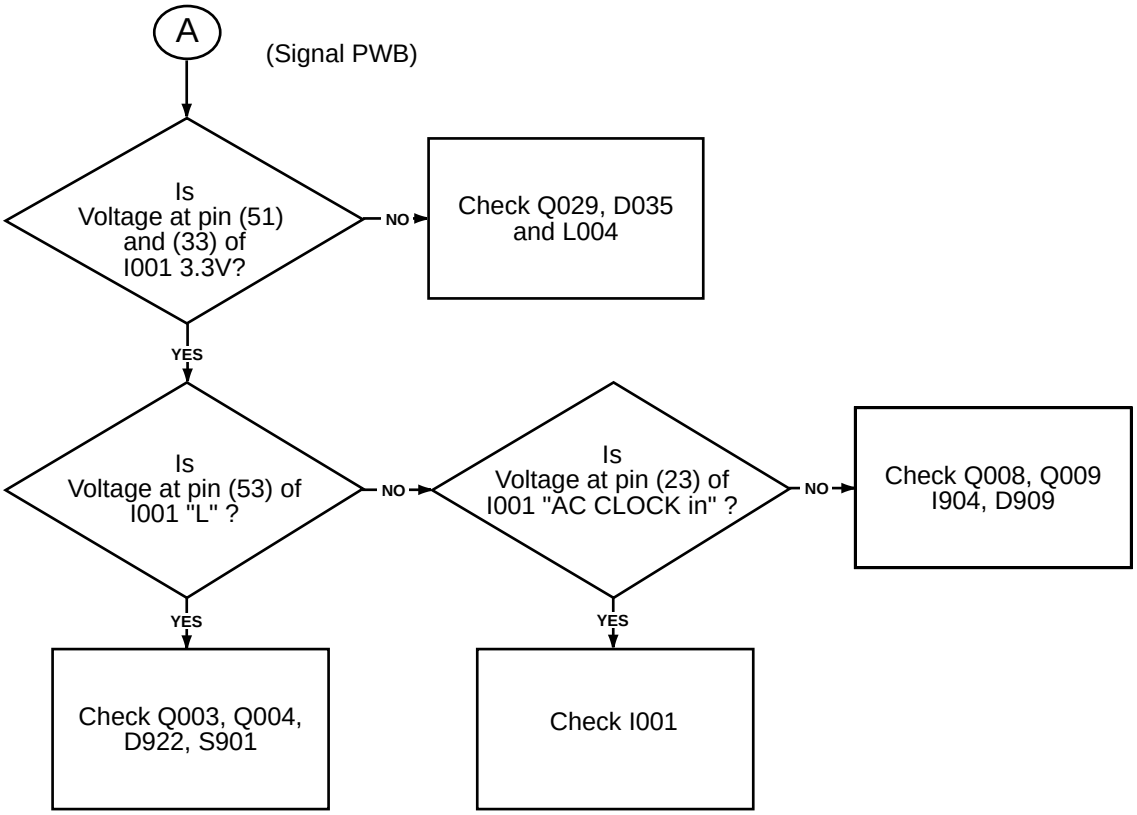
# *DP0X PROTECTION CIRCUIT BLOCK DIAGRAM*

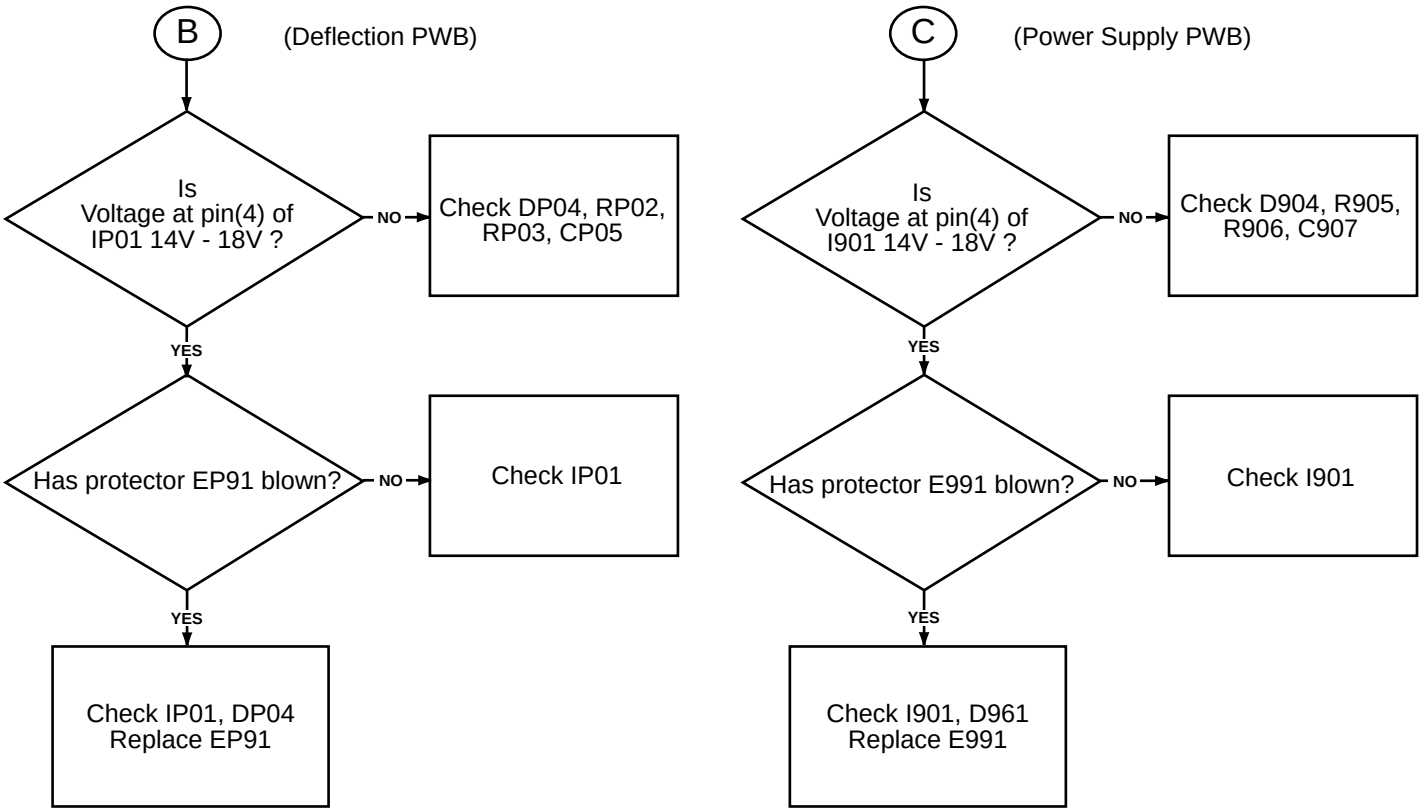


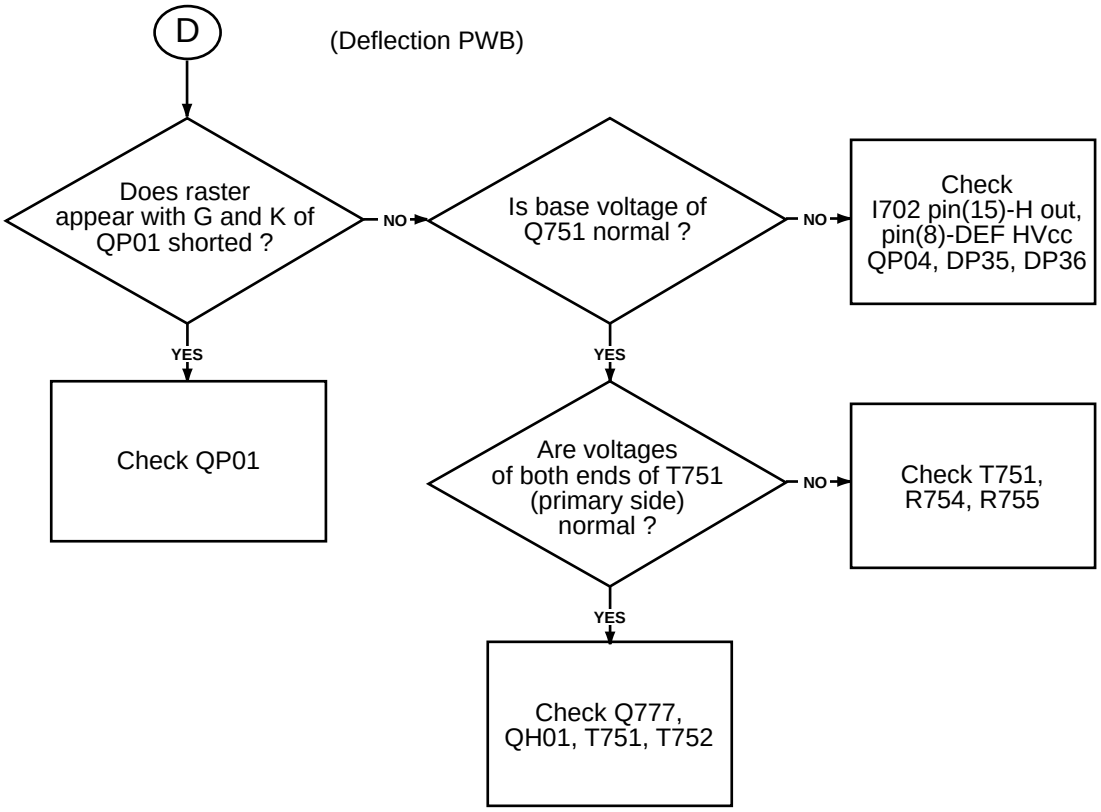
# TROUBLE SHOOTING

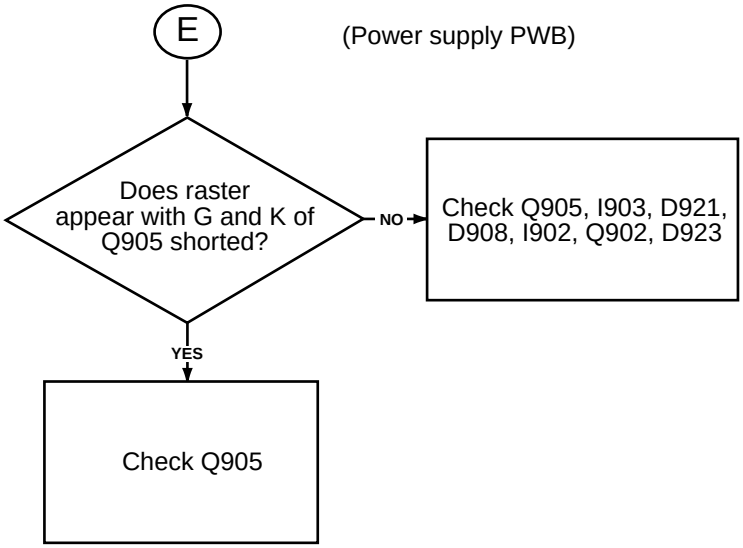
1. No raster and no power (How to check Diagnosis LED)


No raster
Is Power Indicator Red LED "ON"? DM03 (CONTROL)
NO
Check DIAGNOSIS Red LED (POWER)
YES
A
NO
Is click sound of relay heard?
YES
B
NO
Is Red LED "BLINK"? PROTECTION DP37 (DEF.)
Check DIAGNOSIS Red LED (DEFLECTION)
Is Red LED "BLINK"? PROTECTION D903 (POW.)
NO
C
YES
YES
1. Turn OFF power SW.
2. Wait for 3 seconds.
3. Turn ON again after several seconds, and carefully observe green LED's.
1. Turn OFF power SW.
2. Wait for 3 seconds.
3. Turn ON again after several seconds, and carefully observe green LED's.
NO
Did green LED turn OFF same time?
NO
Did 5 green LED's turn OFF same time?
YES
D
YES
E
(DEF) DP29(+120V) Check EP98, DP11, Q777,QH01 TH01,DH11 etc.
(POWER PWB)
Find which LED's going to dark or OFF. (Other LED's are going to OFF little bit later or same time.)
(POWER SUPPLY PWB)
(POW) D912 Audio(F) Check E992, D910 IC01 etc.
(POW) D913 Audio(Re)(C) Check E993,D911, IS15, IS16 etc.
(POW) D927 SBY +7V line Check D918, I905, I008, I010 etc.
(POW) D949 SBY+11V line Check D918, I906, I007, I009 etc.
(POW) D931, SW+5V line Check D918, I907, I011, I012 etc.

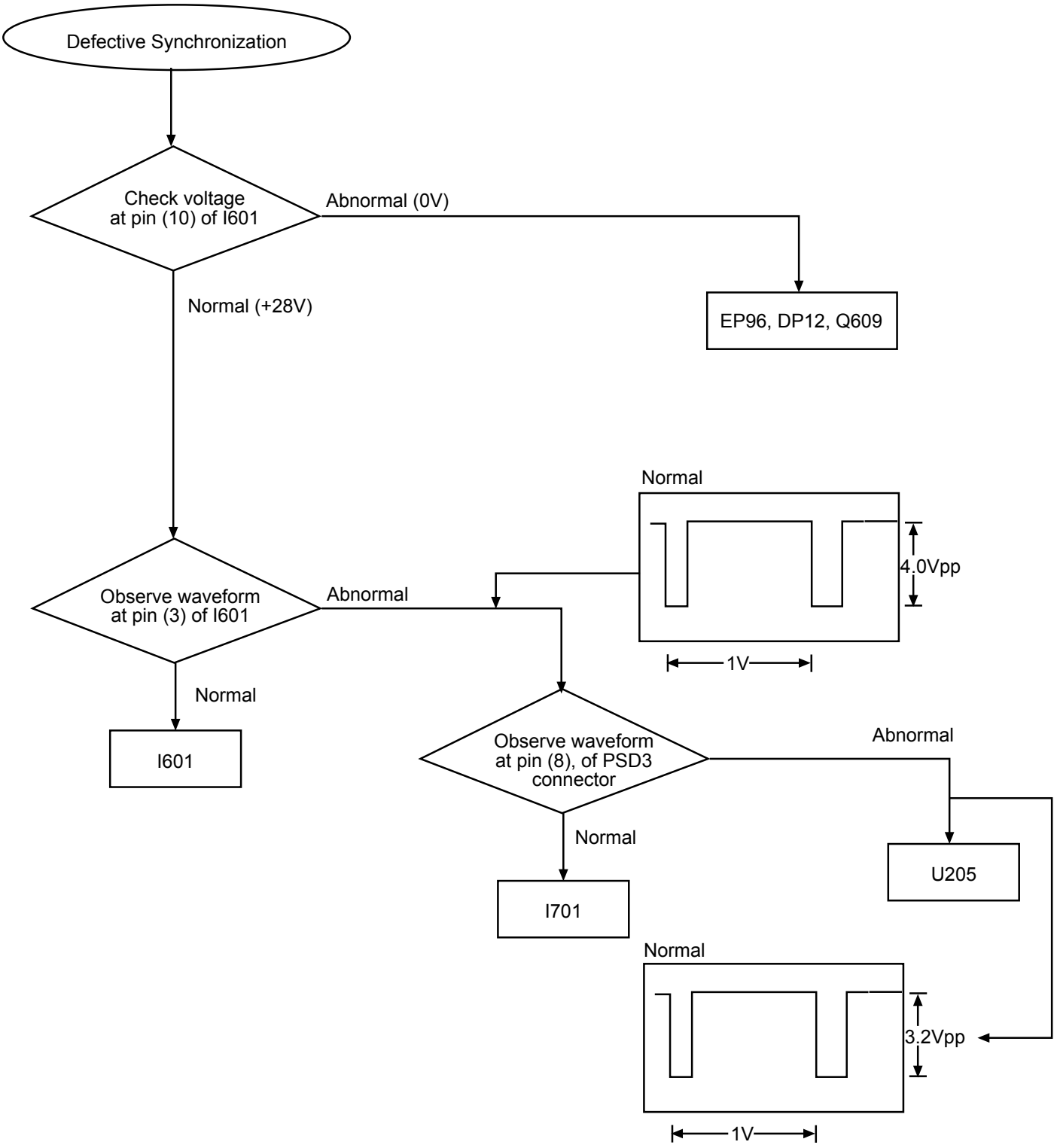

A
(Signal PWB)
Is
Voltage at pin (51)
and (33) of
I001 3.3V?
NO
Check Q029, D035
and L004
YES
Is
Voltage at pin (53) of
I001 "L" ?
NO
Is
Voltage at pin (23) of
I001 "AC CLOCK in" ?
NO
Check Q008, Q009
I904, D909
YES
YES
Check Q003, Q004,
D922, S901
Check I001


B
(Deflection PWB)
Is
Voltage at pin(4) of
IP01 14V - 18V ?
NO
Check DP04, RP02,
RP03, CP05
YES
Has protector EP91 blown?
NO
Check IP01
YES
Check IP01, DP04
Replace EP91
C
(Power Supply PWB)
Is
Voltage at pin(4) of
I901 14V - 18V ?
NO
Check D904, R905,
R906, C907
YES
Has protector E991 blown?
NO
Check I901
YES
Check I901, D961
Replace E991

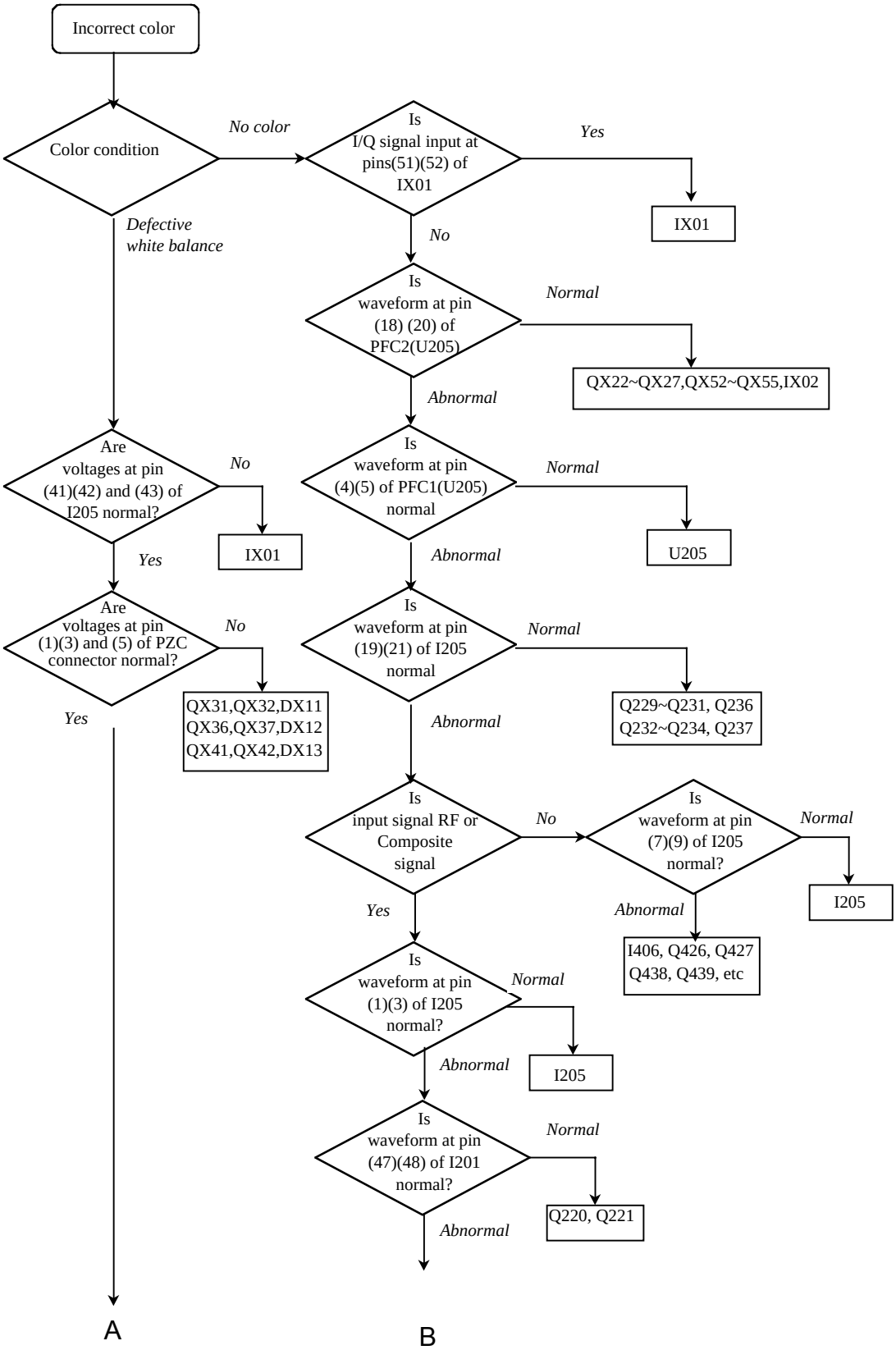

D
(Deflection PWB)
Does raster appear with G and K of QP01 shorted ?
NO
Is base voltage of Q751 normal ?
NO
Check I702 pin(15)-H out, pin(8)-DEF HVcc QP04, DP35, DP36
YES
Check QP01
YES
Are voltages of both ends of T751 (primary side) normal ?
NO
Check T751, R754, R755
YES
Check Q777, QH01, T751, T752

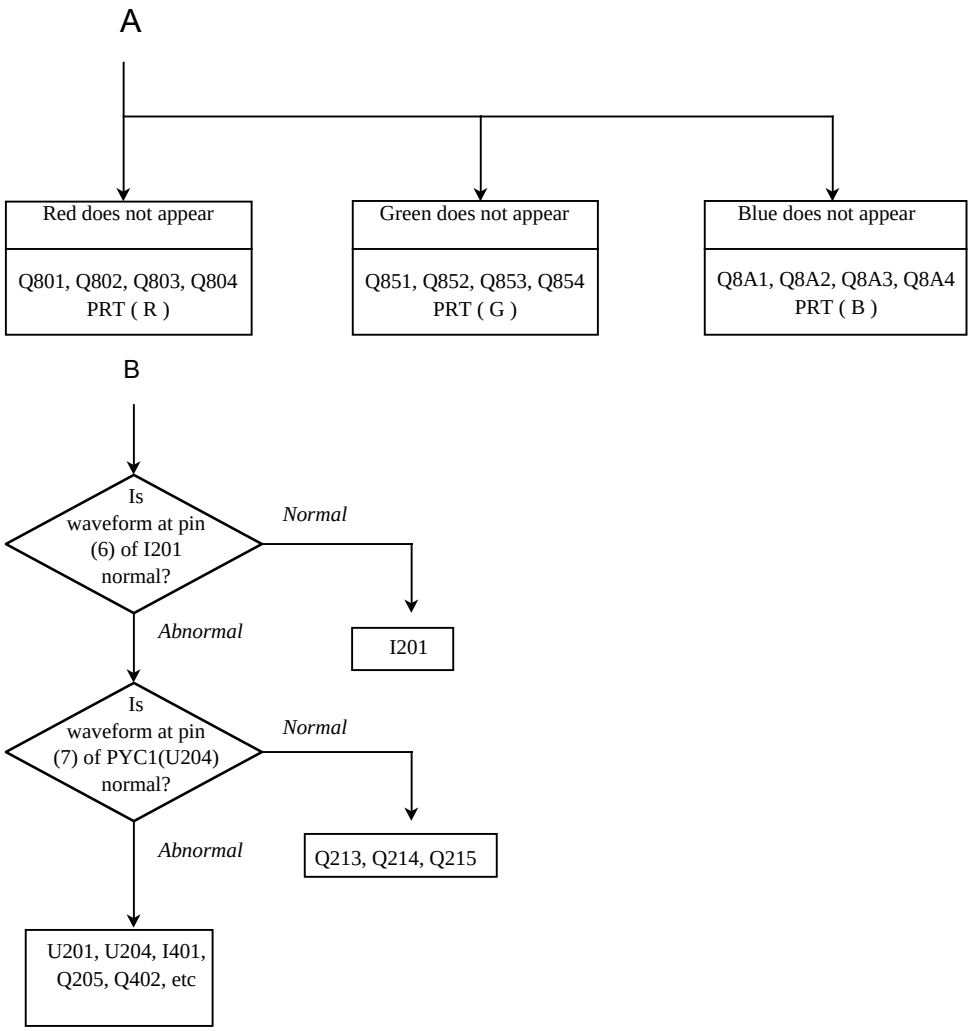

E
(Power supply PWB)
Does raster appear with G and K of Q905 shorted?
NO
Check Q905, I903, D921, D908, I902, Q902, D923
YES
Check Q905

2. Defective Synchronization



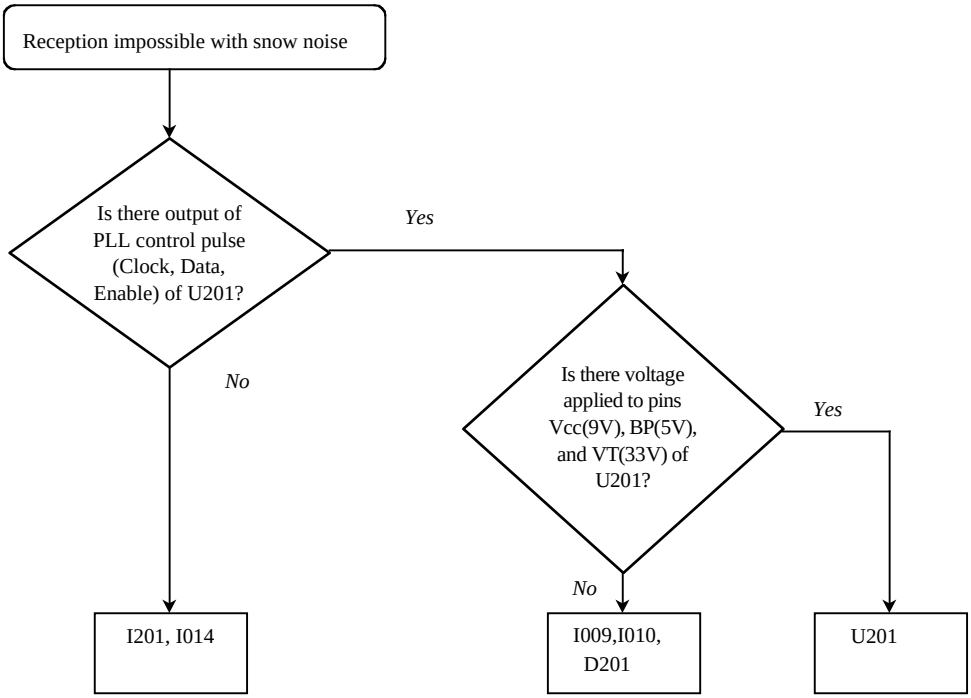
### 3. INCORRECT COLOR



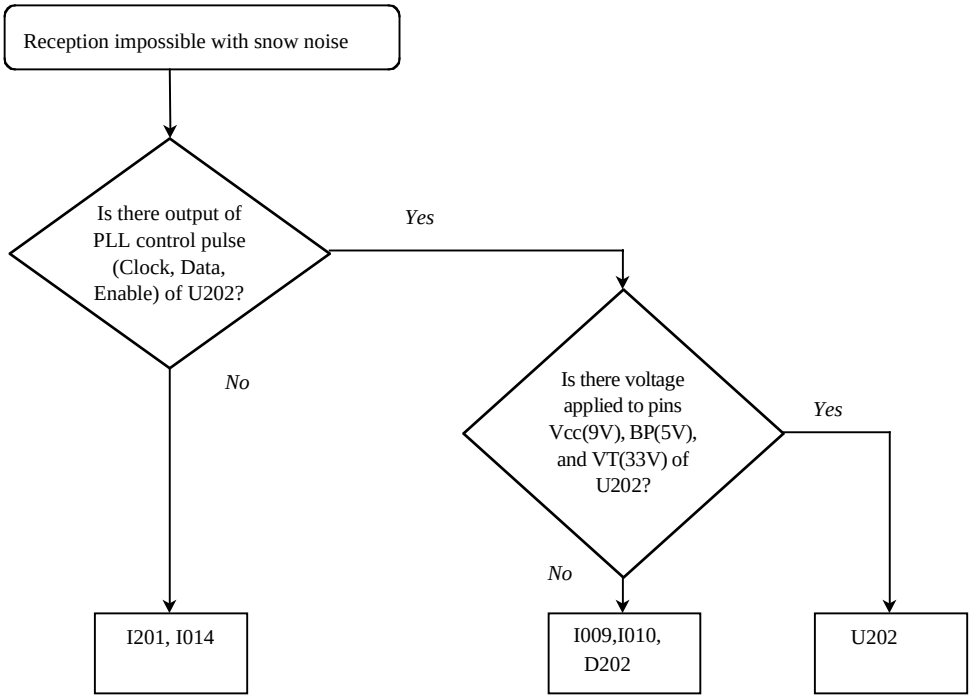

A
Red does not appear
Q801, Q802, Q803, Q804
PRT ( R )
Green does not appear
Q851, Q852, Q853, Q854
PRT ( G )
Blue does not appear
Q8A1, Q8A2, Q8A3, Q8A4
PRT ( B )
B
Is waveform at pin (6) of I201 normal?
Normal
I201
Abnormal
Is waveform at pin (7) of PYC1(U204) normal?
Normal
Q213, Q214, Q215
Abnormal
U201, U204, I401, Q205, Q402, etc

## 4. SNOW NOISE

ANT A



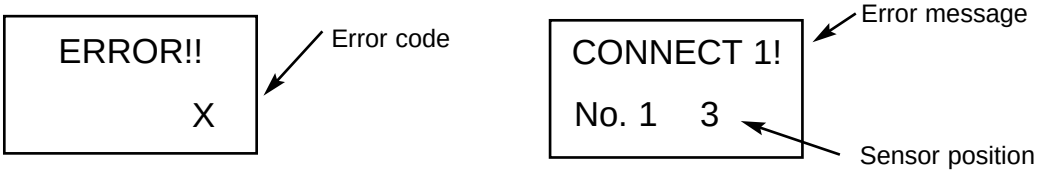

ANT B



5. Convergence Errors.

If an error message or code appears while performing MAGIC FOCUS or initialize (PIP MODE, PIP CH in service mode) follow this confirmation and repair method.

1. Turn on power and receive any signal.
2. Press service switch on Power/Deflection board.
3. Press “SWAP” then “PIP CH” on remote control.
4. Error code will be displayed in bottom right corner of screen. If there is no error, an “INITIAL OK” message will appear on screen.




5. Follow repair table for errors.

## DCU REPAIR TABLE

| Error Code | Error Display Code | Countermeasure | Application | |
|---|---|---|---|---|
| | | | Initialize | Magic Focus |
| 1 | VF Error | Replace DCU | X | X |
| 2<br>*2 | Connect 1 | 1. Darken Outside Light<br>2. Placing of sensor<br>3. Is pattern hitting sensor<br>4. Check connection and solder bridge of sensor<br>5. Replace sensor<br>6. Replace sernsor P.W.B.<br>7. Sensor Connector check<br>8. Replace DCU<br>9. Adjustment check (H/V size, centering) | X | — |
| 3*2 | A/D Level | Same as Error Code 2 | X | X |
| 4 | Over Flow | 1. Check the placement of sensor<br>2. Adjustment check (H/V size, centering)<br>3. Conv. amp. gain check *1 (check resistor values only) | X | X |
| 5 | Convergence | Same as Error Code 4 | X | X |
| 7 | Operation | Same as Error Code 4 | — | X |
| 9 | Connect 2 | Same as Error Code 2 | X | X |
| 10 | Noise | Input strong field signal<br>Check the wiring of connec tor between sensor and DCU | X | X |
| 11 | Sync | Input strong field signal<br>Check the wiring of connetor between sensor and DCU | X | X |

*1 -- RK 41, 46, 50, 54, 58, 62 check these resistors.

*2 Sensor Position

| | | |
|---|---|---|
| 0 | 1 | 2 |
| 7 | | 3 |
| 6 | 5 | 4 |

(View from front side)

# DC VOLTAGE TABLES

Signal 1 of 3

| Symbol | Pin No. | Vdc | Pin No. | Vdc |
|---|---|---|---|---|
| I001 | 1 | 0.0 | 33 | 3.2 |
| | 2 | 4.8 | 34 | 1.7 |
| | 3 | 4.8 | 35 | 1.6 |
| | 4 | 3.6 | 36 | 1.6 |
| | 5 | 3.3 | 37 | 0.0 |
| | 6 | 1.8 | 38 | 0.0 |
| | 7 | 3.1 | 39 | 0.0 |
| | 8 | 1.1 | 40 | 0.0 |
| | 9 | 0.0 | 41 | 1.4 |
| | 10 | 3.7 | 42 | 1.4 |
| | 11 | 3.7 | 43 | 0.0 |
| | 12 | 3.3 | 44 | 0.3 |
| | 13 | 0.0 | 45 | 0.0 |
| | 14 | 0.0 | 46 | 2.9 |
| | 15 | 1.6 | 47 | 1.8 |
| | 16 | 3.1 | 48 | 1.8 |
| | 17 | 0.1 | 49 | 2.7 |
| | 18 | 0.1 | 50 | 2.9 |
| | 19 | 3.1 | 51 | 0.0 |
| | 20 | 3.0 | 52 | 3.2 |
| | 21 | 2.9 | 53 | 2.8 |
| | 22 | 3.8 | 54 | 3.2 |
| | 23 | 1.5 | 55 | 3.2 |
| | 24 | 2.7 | 56 | 0.0 |
| | 25 | 3.2 | 57 | 3.2 |
| | 26 | 2.0 | 58 | 3.2 |
| | 27 | 2.3 | 59 | 4.8 |
| | 28 | 0.0 | 60 | 4.8 |
| | 29 | 0.0 | 61 | 3.2 |
| | 30 | 1.4 | 62 | 1.6 |
| | 31 | 0.0 | 63 | 1.6 |
| | 32 | 1.4 | 64 | 0.0 |
| I002 | 1 | 0.0 | 5 | 4.8 |
| | 2 | 0.0 | 6 | 0.0 |
| | 3 | 0.0 | 7 | 0.0 |
| | 4 | 0.0 | 8 | 5.0 |
| I003 | 1 | 0.2 | 9 | 0.0 |
| | 2 | 4.6 | 10 | 0.0 |
| | 3 | 4.6 | 11 | 0.0 |
| | 4 | 4.0 | 12 | 0.0 |
| | 5 | 4.0 | 13 | 0.0 |
| | 6 | 4.6 | 14 | 4.9 |
| | 7 | 0.0 | 15 | 4.8 |
| | 8 | 0.0 | 16 | 5.0 |
| I004 | 1 | 5.0 | 9 | 0.0 |
| | 2 | 5.0 | 10 | 0.0 |
| | 3 | 0.4 | 11 | 0.0 |
| | 4 | 4.6 | 12 | 0.0 |
| | 5 | 4.6 | 13 | 0.0 |
| | 6 | 0.4 | 14 | 4.8 |
| | 7 | 0.4 | 15 | 4.9 |
| | 8 | 0.0 | 16 | 5.0 |
| I005 | 1 | 5.0 | 9 | 0.0 |
| | 2 | 5.0 | 10 | 0.0 |
| | 3 | 0.0 | 11 | 0.0 |
| | 4 | 0.0 | 12 | 2.5 |
| | 5 | 5.3 | 13 | 1.6 |
| | 6 | 0.0 | 14 | 2.5 |
| | 7 | 0.0 | 15 | 5.0 |
| | 8 | 0.0 | 16 | 9.1 |

| Symbol | Pin No. | Vdc |
|---|---|---|
| I006 | 1 | 3.2 |
| | 2 | 0.0 |
| | 3 | 3.2 |
| I007 | 1 | 10.8 |
| | 2 | 0.0 |
| | 3 | 9.1 |
| I008 | 1 | 7.0 |
| | 2 | 0.0 |
| | 3 | 5.0 |
| I009 | 1 | 0.0 |
| | 2 | 4.2 |
| | 3 | 0.0 |
| | 4 | 9.1 |
| | 5 | 10.9 |
| I010 | 1 | 0.0 |
| | 2 | 4.2 |
| | 3 | 5.0 |
| | 4 | 5.0 |
| | 5 | 7.0 |
| I011 | 1 | 5.3 |
| | 2 | 0.0 |
| | 3 | 2.5 |
| I012 | 1 | 5.3 |
| | 2 | 0.0 |
| | 3 | 3.3 |

| Symbol | Pin No. | Vdc | Pin No. | Vdc |
|---|---|---|---|---|
| I014 | 1 | 5.0 | 11 | 5.0 |
| | 2 | 3.0 | 12 | 0.0 |
| | 3 | 2.9 | 13 | 0.0 |
| | 4 | 2.9 | 14 | 4.9 |
| | 5 | 1.6 | 15 | 2.4 |
| | 6 | 3.0 | 16 | 4.6 |
| | 7 | 0.0 | 17 | 4.7 |
| | 8 | 0.1 | 18 | 4.7 |
| | 9 | 3.1 | 19 | 0.0 |
| | 10 | 0.0 | 20 | 5.0 |

| Symbol | Pin No. | Vdc |
|---|---|---|
| I015 | 1 | 2.7 |
| | 2 | 5.0 |
| | 3 | 0.0 |
| | 4 | 3.8 |
| | 5 | 5.0 |
| I016 | 1 | 2.6 |
| | 2 | 5.0 |
| | 3 | 0.0 |
| | 4 | 5.0 |
| | 5 | 5.0 |

| Symbol | Pin No. | Vdc |
|---|---|---|
| PFS | 1 | 9.2 |
| | 2 | 0.0 |
| | 3 | 5.0 |
| | 4 | 3.6 |
| | 5 | 0.0 |
| | 6 | 0.0 |
| | 7 | 3.3 |
| | 8 | 3.3 |
| | 9 | 5.0 |
| PJIG1 | 1 | 3.2 |
| | 2 | 4.4 |
| | 3 | 3.0 |
| PJIG2 | 1 | 3.2 |
| | 2 | 4.4 |
| | 3 | 3.0 |
| PJIG3 | 1 | 3.2 |
| | 2 | 3.2 |
| | 3 | 0.0 |
| PP1 | 1 | 3.0 |
| | 2 | 3.0 |

| Symbol | Pin No. | Vdc | Pin No. | Vdc |
|---|---|---|---|---|
| PSU1 | 1 | 4.8 | 11 | 4.5 |
| | 2 | 4.8 | 12 | 0.0 |
| | 3 | 4.8 | 13 | 0.0 |
| | 4 | 0.0 | 14 | 0.0 |
| | 5 | 0.0 | 15 | 4.0 |
| | 6 | 0.4 | 16 | 0.0 |
| | 7 | 0.0 | 17 | 5.0 |
| | 8 | 3.6 | 18 | 5.0 |
| | 9 | 3.6 | 19 | 9.2 |
| | 10 | 0.0 | 20 | 9.2 |
| PSU2 | 1 | 5.0 | 11 | 0.0 |
| | 2 | 4.9 | 12 | 4.8 |
| | 3 | 0.0 | 13 | 0.0 |
| | 4 | 0.0 | 14 | 0.0 |
| | 5 | 2.4 | 15 | 0.0 |
| | 6 | 0.0 | 16 | 0.0 |
| | 7 | 4.8 | 17 | 0.0 |
| | 8 | 0.0 | 18 | 0.0 |
| | 9 | 0.0 | 19 | 30.0 |
| | 10 | 0.0 | 20 | 29.7 |
| PQS1 | 1 | 33.2 | 6 | 0.0 |
| | 2 | 0.0 | 7 | 0.0 |
| | 3 | 10.8 | 8 | 0.0 |
| | 4 | 10.8 | 9 | 0.0 |
| | 5 | 10.8 | 10 | 4.1 |
| PQS2 | 1 | 7.0 | 7 | 5.3 |
| | 2 | 7.0 | 8 | 5.3 |
| | 3 | 7.0 | 9 | 0.0 |
| | 4 | 0.0 | 10 | 2.5 |
| | 5 | 0.0 | 11 | 3.3 |
| | 6 | 0.0 | -- | -- |

# DC VOLTAGE TABLES

Signal 1 of 3 Cont.

| | | |
|---|---|---|
| Q001 | B | 7.6 |
| | C | 0.0 |
| | E | 7.6 |
| Q002 | B | 0.7 |
| | C | 0.0 |
| | E | 0.0 |
| Q003 | B | 0.7 |
| | C | 0.0 |
| | E | 0.0 |
| Q004 | B | 0.0 |
| | C | 4.7 |
| | E | 0.0 |
| Q005 | B | 0.0 |
| | C | 3.2 |
| | E | 0.0 |
| Q006 | B | -1.7 |
| | C | 2.7 |
| | E | 0.0 |
| Q007 | B | 0.0 |
| | C | 0.0 |
| | E | 0.7 |
| Q008 | B | 0.4 |
| | C | 2.4 |
| | E | 0.1 |
| Q009 | B | 0.5 |
| | C | 1.5 |
| | E | 0.1 |
| Q010 | B | 3.2 |
| | C | 0.0 |
| | E | 3.2 |
| Q013 | B | 0.1 |
| | C | 5.0 |
| | E | 0.0 |

| | | |
|---|---|---|
| Q014 | B | 0.0 |
| | C | 3.1 |
| | E | 0.1 |
| Q015 | B | 0.6 |
| | C | 0.1 |
| | E | 0.0 |
| Q016 | B | 0.2 |
| | C | 3.8 |
| | E | 0.0 |
| Q017 | B | 0.1 |
| | C | 2.7 |
| | E | 0.0 |
| Q018 | B | 5.9 |
| | C | 0.6 |
| | E | 5.9 |
| Q019 | B | 5.3 |
| | C | 0.0 |
| | E | 5.9 |
| Q021 | B | 5.3 |
| | C | 9.1 |
| | E | 4.6 |
| Q022 | B | 0.0 |
| | C | 10.8 |
| | E | 0.0 |
| Q023 | B | 10.8 |
| | C | 0.0 |
| | E | 10.8 |
| Q024 | B | 0.0 |
| | C | 10.8 |
| | E | 0.0 |
| Q029 | B | 1.4 |
| | C | 5.0 |
| | E | 3.3 |

| | | |
|---|---|---|
| Q030 | B | 0.7 |
| | C | 0.0 |
| | E | 0.0 |
| Q031 | B | 5.3 |
| | C | 9.1 |
| | E | 4.6 |
| Q034 | B | 2.5 |
| | C | 0.0 |
| | E | 3.2 |
| Q035 | B | 3.2 |
| | C | 9.1 |
| | E | 2.6 |
| Q036 | B | 0.0 |
| | C | 5.0 |
| | E | 0.0 |
| Q037 | G | 5.0 |
| | C | 0.0 |
| | E | 5.0 |
| Q038 | B | 0.0 |
| | C | 5.0 |
| | E | 0.0 |
| Q039 | B | 5.0 |
| | C | 0.0 |
| | E | 5.0 |
| Q040 | B | 0.7 |
| | C | 0.0 |
| | E | 0.0 |
| Q046 | B | 5.0 |
| | C | 5.0 |
| | E | 4.4 |

# DC VOLTAGE TABLES

Signal 2 of 3

| Symbol | Pin No. | Vdc |
|---|---|---|
| EAN | 1 | 0.0 |
| | 2 | 0.0 |
| | 3 | 9.1 |

| Symbol | Pin No. | Vdc | Pin No. | Vdc |
|---|---|---|---|---|
| I201 | 1 | 4.0 | 25 | 0.6 |
| | 2 | 4.0 | 26 | 1.2 |
| | 3 | 4.0 | 27 | 0.0 |
| | 4 | 2.1 | 28 | 0.0 |
| | 5 | 0.0 | 29 | 1.3 |
| | 6 | 1.8 | 30 | 1.3 |
| | 7 | 0.0 | 31 | 1.3 |
| | 8 | 2.9 | 32 | 0.0 |
| | 9 | 0.0 | 33 | 4.8 |
| | 10 | 0.0 | 34 | 3.6 |
| | 11 | 0.0 | 35 | 0.0 |
| | 12 | 6.0 | 36 | 0.0 |
| | 13 | 4.9 | 37 | 2.2 |
| | 14 | 0.2 | 38 | 4.2 |
| | 15 | 1.2 | 39 | 2.8 |
| | 16 | 0.0 | 40 | 2.7 |
| | 17 | 0.1 | 41 | 4.9 |
| | 18 | 9.1 | 42 | 4.9 |
| | 19 | 9.1 | 43 | 0.0 |
| | 20 | 4.1 | 44 | 3.1 |
| | 21 | 3.2 | 45 | 0.0 |
| | 22 | 2.7 | 46 | 3.1 |
| | 23 | 0.0 | 47 | 2.3 |
| | 24 | 0.0 | 48 | 2.5 |
| I202 | 1 | 4.9 | 9 | 4.2 |
| | 2 | 5.0 | 10 | 4.2 |
| | 3 | 0.2 | 11 | 4.2 |
| | 4 | 0.2 | 12 | 0.0 |
| | 5 | 0.0 | 13 | 0.0 |
| | 6 | 0.0 | 14 | 0.0 |
| | 7 | 0.0 | 15 | 4.9 |
| I203 | 1 | 0.2 | 8 | 5.0 |
| | 2 | 4.9 | 9 | 0.0 |
| | 3 | 4.9 | 10 | 4.9 |
| | 4 | 0.2 | 11 | 0.2 |
| | 5 | 5.0 | 12 | 0.2 |
| | 6 | 0.0 | 13 | 4.9 |
| | 7 | 0.0 | 14 | 5.0 |
| I205 | 1 | 3.6 | 13 | 0.0 |
| | 2 | 0.0 | 14 | 0.0 |
| | 3 | 3.6 | 15 | 2.2 |
| | 4 | 0.0 | 16 | 4.1 |
| | 5 | 3.6 | 17 | 0.0 |
| | 6 | 0.0 | 18 | 2.5 |
| | 7 | 0.0 | 19 | 2.2 |
| | 8 | 0.0 | 20 | 5.0 |
| | 9 | 0.0 | 21 | 2.2 |
| | 10 | 0.0 | 22 | 0.0 |
| | 11 | 0.0 | 23 | 0.0 |
| | 12 | 0.0 | 24 | 0.0 |
| I207 | 1 | 2.6 | | |
| | 2 | 5.0 | | |
| | 3 | 0.0 | | |
| | 4 | 5.0 | | |
| | 5 | 5.0 | | |

| Symbol | Pin No. | Vdc | Pin No. | Vdc |
|---|---|---|---|---|
| PFC1 | 1 | 5.0 | 12 | 4.6 |
| | 2 | 0.0 | 13 | 9.2 |
| | 3 | 5.0 | 14 | 0.2 |
| | 4 | 4.9 | 15 | 4.9 |
| | 5 | 4.9 | 16 | 0.0 |
| | 6 | 0.0 | 17 | 5.0 |
| | 7 | 0.2 | 18 | 4.9 |
| | 8 | 4.9 | 19 | 5.0 |
| | 9 | 0.0 | 20 | 0.0 |
| | 10 | 4.7 | 21 | 0.0 |
| | 11 | 4.7 | 22 | 3.3 |
| PFC2 | 1 | 2.5 | 12 | 0.5 |
| | 2 | 2.5 | 13 | 0.0 |
| | 3 | 0.0 | 14 | 0.0 |
| | 4 | 0.3 | 15 | 0.0 |
| | 5 | 1.2 | 16 | 4.3 |
| | 6 | 3.2 | 17 | 0.0 |
| | 7 | 3.0 | 18 | 4.3 |
| | 8 | 0.2 | 19 | 0.0 |
| | 9 | 0.0 | 20 | 4.3 |
| | 10 | 0.0 | 21 | 9.1 |
| | 11 | 0.0 | 22 | 9.1 |

| Symbol | Pin No. | Vdc |
|---|---|---|
| PGS3 | 1 | 0.0 |
| | 2 | 0.0 |
| | 3 | 0.0 |
| PSD1 | 1 | 0.0 |
| | 2 | 0.0 |
| | 3 | 0.0 |
| | 4 | 0.0 |
| | 5 | 5.0 |
| | 6 | 0.0 |
| | 7 | 0.0 |
| PSD2 | 1 | 4.8 |
| | 2 | 4.8 |
| | 3 | 4.2 |
| | 4 | 0.0 |
| | 5 | 9.2 |
| | 6 | 0.0 |
| | 7 | 0.0 |
| PSD3 | 1 | 10.4 |
| | 2 | 0.1 |
| | 3 | 0.0 |
| | 4 | 3.6 |
| | 5 | 0.0 |
| | 6 | 1.5 |
| | 7 | 0.0 |
| | 8 | 3.2 |
| | 9 | 0.0 |
| | 10 | 0.6 |
| | 11 | 0.0 |
| | 12 | 0.0 |
| | 13 | 0.0 |

| Symbol | Pin No. | Vdc | Pin No. | Vdc |
|---|---|---|---|---|
| PST1 | 1 | 4.8 | 11 | 4.5 |
| | 2 | 4.8 | 12 | 4.5 |
| | 3 | 0.0 | 13 | 0.0 |
| | 4 | 4.6 | 14 | 6.3 |
| | 5 | 4.9 | 15 | 0.0 |
| | 6 | 4.8 | 16 | 4.6 |
| | 7 | 0.0 | 17 | 4.6 |
| | 8 | 1.8 | 18 | 0.0 |
| | 9 | 1.8 | 19 | 1.3 |
| | 10 | 0.0 | 20 | 0.0 |
| PST2 | 1 | 0.0 | 11 | 2.4 |
| | 2 | 0.0 | 12 | 0.0 |
| | 3 | 3.8 | 13 | 2.4 |
| | 4 | 0.0 | 14 | 0.0 |
| | 5 | 3.7 | 15 | 4.9 |
| | 6 | 0.0 | 16 | 0.0 |
| | 7 | 3.7 | 17 | 4.9 |
| | 8 | 0.0 | 18 | 0.0 |
| | 9 | 1.3 | 19 | 4.9 |
| | 10 | 0.0 | 20 | 0.0 |
| PST3 | 1 | 0.2 | 11 | 0.0 |
| | 2 | 0.0 | 12 | 0.0 |
| | 3 | 4.9 | 13 | 9.2 |
| | 4 | 0.0 | 14 | 9.2 |
| | 5 | 0.0 | 15 | 0.0 |
| | 6 | 0.0 | 16 | 0.0 |
| | 7 | 0.0 | 17 | 5.0 |
| | 8 | 0.0 | 18 | 5.0 |
| | 9 | 9.1 | 19 | 0.0 |
| | 10 | 9.1 | 20 | 0.0 |

# DC VOLTAGE TABLES

Signal 2 of 3 Cont.

| | | |
|---|---|---|
| Q201 | B | 0.7 |
| | C | 0.0 |
| | E | 0.0 |
| Q202 | B | 0.7 |
| | C | 0.0 |
| | E | 0.0 |
| Q203 | B | 0.7 |
| | C | 0.0 |
| | E | 0.0 |
| Q204 | B | 0.7 |
| | C | 0.0 |
| | E | 0.0 |
| Q205 | B | 7.0 |
| | C | 9.2 |
| | E | 6.4 |
| Q206 | B | 1.7 |
| | C | 9.2 |
| | E | 1.1 |
| Q207 | B | 0.7 |
| | C | 0.0 |
| | E | 0.0 |
| Q208 | B | 3.9 |
| | C | 0.0 |
| | E | 4.5 |
| Q209 | B | 5.0 |
| | C | 9.2 |
| | E | 5.4 |
| Q210 | B | 4.0 |
| | C | 0.0 |
| | E | 4.6 |
| Q211 | B | 5.0 |
| | C | 9.2 |
| | E | 5.4 |
| Q212 | B | 2.8 |
| | C | 0.0 |
| | E | 0.0 |

| | | |
|---|---|---|
| Q213 | B | 3.8 |
| | C | 9.1 |
| | E | 3.2 |
| Q214 | B | 4.0 |
| | C | 9.1 |
| | E | 3.4 |
| Q215 | B | 0.0 |
| | C | 9.1 |
| | E | 0.1 |
| Q216 | B | 2.8 |
| | C | 0.0 |
| | E | 3.4 |
| Q217 | B | 4.8 |
| | C | 9.1 |
| | E | 4.1 |
| Q220 | B | 2.5 |
| | C | 0.0 |
| | E | 3.1 |
| Q221 | B | 2.3 |
| | C | 0.0 |
| | E | 3.0 |
| Q222 | B | 2.2 |
| | C | 0.0 |
| | E | 2.8 |
| Q223 | B | 1.4 |
| | C | 0.0 |
| | E | 2.0 |
| Q226 | B | 3.7 |
| | C | 8.5 |
| | E | 3.1 |
| Q227 | B | 8.5 |
| | C | 5.5 |
| | E | 9.1 |
| Q228 | B | 5.5 |
| | C | 9.1 |
| | E | 4.9 |

| | | |
|---|---|---|
| Q230 | B | 5.5 |
| | C | 4.9 |
| | E | 9.1 |
| Q231 | B | 0.1 |
| | C | 0.8 |
| | E | 0.1 |
| Q232 | B | 3.7 |
| | C | 8.5 |
| | E | 3.1 |
| Q233 | B | 8.5 |
| | C | 5.6 |
| | E | 9.1 |
| Q235 | B | 6.2 |
| | C | 9.1 |
| | E | 5.5 |
| Q237 | B | 5.6 |
| | C | 9.1 |
| | E | 4.9 |
| Q239 | B | 0.7 |
| | C | 0.1 |
| | E | 0.0 |
| Q240 | B | 4.2 |
| | C | 9.1 |
| | E | 4.9 |

# DC VOLTAGE TABLES

Signal 3 of 3

| Symbol | Pin No. | Vdc | Pin No. | Vdc |
|---|---|---|---|---|
| IC01 | 1 | 1.6 | 7 | 14.0 |
| | 2 | 0.0 | 8 | 0.0 |
| | 3 | 0.0 | 9 | 30.0 |
| | 4 | 0.0 | 10 | 0.0 |
| | 5 | 1.5 | 11 | 4.4 |
| | 6 | 0.0 | 12 | 13.5 |

| Symbol | Pin No. | Vdc |
|---|---|---|
| PL | 1 | 0.0 |
| | 2 | 0.0 |
| | 3 | 0.0 |
| | 4 | 0.0 |
| | 5 | 0.0 |

| Symbol | Pin No. | Vdc |
|---|---|---|
| PR | 1 | 0.0 |
| | 2 | 0.0 |
| | 3 | 0.0 |
| | 4 | 0.0 |

| | | |
|---|---|---|
| QC01 | B | 0.5 |
| | C | 0.0 |
| | E | 0.0 |
| QC02 | B | 0.4 |
| | C | 0.0 |
| | E | 0.0 |
| QC03 | B | 0.0 |
| | C | 4.2 |
| | E | 0.0 |
| QC04 | B | 0.0 |
| | C | 10.1 |
| | E | 0.0 |

Terminal

| Symbol | Pin No. | Vdc | Pin No. | Vdc |
|---|---|---|---|---|
| I401 | 1 | 3.9 | 33 | 4.8 |
| | 2 | 4.5 | 34 | 0.0 |
| | 3 | 3.9 | 35 | 4.2 |
| | 4 | 4.5 | 36 | 4.4 |
| | 5 | 4.5 | 37 | 4.5 |
| | 6 | 0.0 | 38 | 3.7 |
| | 7 | 4.9 | 39 | 4.5 |
| | 8 | 3.9 | 40 | 4.4 |
| | 9 | 4.4 | 41 | 8.9 |
| | 10 | 3.9 | 42 | 4.5 |
| | 11 | 4.4 | 43 | 4.3 |
| | 12 | 4.4 | 44 | 4.5 |
| | 13 | 0.0 | 45 | 3.7 |
| | 14 | 4.9 | 46 | 4.4 |
| | 15 | 4.6 | 47 | 0.0 |
| | 16 | 4.4 | 48 | 4.8 |
| | 17 | 3.9 | 49 | 4.8 |
| | 18 | 4.4 | 50 | 4.5 |
| | 19 | 4.4 | 51 | 4.4 |
| | 20 | 0.0 | 52 | 4.5 |
| | 21 | 4.9 | 53 | 4.4 |
| | 22 | 3.9 | 54 | 4.5 |
| | 23 | 4.4 | 55 | 3.7 |
| | 24 | 3.9 | 56 | 4.1 |
| | 25 | 4.4 | 57 | 0.0 |
| | 26 | 4.4 | 58 | 4.4 |
| | 27 | 0.0 | 59 | 4.4 |
| | 28 | 4.4 | 60 | 4.3 |
| | 29 | 3.9 | 61 | 4.4 |
| | 30 | 4.4 | 62 | 4.4 |
| | 31 | 0.0 | 63 | 4.3 |
| | 32 | 4.8 | 64 | 4.4 |

| | | | | |
|---|---|---|---|---|
| I402 | 1 | 6.4 | | |
| | 2 | 0.0 | | |
| | 3 | 4.0 | | |
| | 4 | 5.0 | | |
| | 5 | 9.0 | | |

| | | | | |
|---|---|---|---|---|
| I403 | 1 | 4.0 | 25 | 2.3 |
| | 2 | 4.0 | 26 | 0.0 |
| | 3 | 4.0 | 27 | 0.0 |
| | 4 | 2.1 | 28 | 0.0 |
| | 5 | 0.0 | 29 | 1.3 |
| | 6 | 1.8 | 30 | 0.0 |
| | 7 | 6.3 | 31 | 1.2 |
| | 8 | 2.3 | 32 | 0.0 |
| | 9 | 0.0 | 33 | 4.8 |
| | 10 | 7.5 | 34 | 4.8 |
| | 11 | 0.0 | 35 | 0.0 |
| | 12 | 6.0 | 36 | 0.0 |
| | 13 | 1.2 | 37 | 2.4 |
| | 14 | 0.0 | 38 | 4.9 |
| | 15 | 1.1 | 39 | 4.9 |
| | 16 | 0.0 | 40 | 2.7 |
| | 17 | 0.0 | 41 | 4.9 |
| | 18 | 9.0 | 42 | 4.9 |
| | 19 | 9.0 | 43 | 0.0 |
| | 20 | 3.3 | 44 | 3.1 |
| | 21 | 1.0 | 45 | 0.0 |
| | 22 | 0.7 | 46 | 3.7 |
| | 23 | 9.0 | 47 | 2.3 |
| | 24 | 0.0 | 48 | 2.5 |

| Symbol | Pin No. | Vdc | Pin No. | Vdc |
|---|---|---|---|---|
| I404 | 1 | 3.6 | 13 | 0.0 |
| | 2 | 0.0 | 14 | 0.0 |
| | 3 | 3.6 | 15 | 2.1 |
| | 4 | 0.0 | 16 | 4.1 |
| | 5 | 3.6 | 17 | 0.0 |
| | 6 | 0.0 | 18 | 2.5 |
| | 7 | 0.0 | 19 | 2.1 |
| | 8 | 0.0 | 20 | 4.9 |
| | 9 | 0.0 | 21 | 2.1 |
| | 10 | 0.0 | 22 | 0.0 |
| | 11 | 0.0 | 23 | 0.0 |
| | 12 | 0.0 | 24 | 0.0 |
| I405 | 1 | 0.2 | 9 | 4.2 |
| | 2 | 0.0 | 10 | 4.2 |
| | 3 | 0.7 | 11 | 4.2 |
| | 4 | 0.0 | 12 | 0.1 |
| | 5 | 4.9 | 13 | 0.1 |
| | 6 | 0.0 | 14 | 0.0 |
| | 7 | 0.0 | 15 | 0.0 |
| | 8 | 0.0 | 16 | 4.9 |
| I406 | 1 | 2.5 | 9 | 2.0 |
| | 2 | 4.9 | 10 | 0.0 |
| | 3 | 1.7 | 11 | 2.5 |
| | 4 | 0.0 | 12 | 4.9 |
| | 5 | 1.7 | 13 | 4.9 |
| | 6 | 0.6 | 14 | 2.5 |
| | 7 | 4.9 | 15 | 0.0 |
| | 8 | 2.0 | 16 | 2.5 |
| I407 | 1 | 2.5 | 9 | 2.0 |
| | 2 | 4.9 | 10 | 0.0 |
| | 3 | 1.7 | 11 | 2.5 |
| | 4 | 0.0 | 12 | 4.9 |
| | 5 | 1.7 | 13 | 4.9 |
| | 6 | 0.6 | 14 | 2.5 |
| | 7 | 4.9 | 15 | 0.0 |
| | 8 | 2.0 | 16 | 2.5 |

| | | | | |
|---|---|---|---|---|
| I408 | 1 | 2.6 | | |
| | 2 | 4.9 | | |
| | 3 | 0.0 | | |
| | 4 | 4.9 | | |
| | 5 | 4.9 | | |
| I409 | 1 | 0.1 | | |
| | 2 | 5.0 | | |
| | 3 | 0.0 | | |
| | 4 | 0.0 | | |
| | 5 | 5.0 | | |

| Symbol | Pin No. | Vdc |
|---|---|---|
| PFT | 1 | 5.0 |
| | 2 | 0.0 |
| | 3 | 0.0 |
| | 4 | 0.0 |
| | 5 | 0.0 |
| | 6 | 0.0 |
| | 7 | 1.9 |
| | 8 | 1.9 |
| | 9 | 0.0 |
| | 10 | 0.0 |
| | 11 | 9.2 |

| Symbol | Pin No. | Vdc | Pin No. | Vdc |
|---|---|---|---|---|
| PST1 | 1 | 4.8 | 11 | 4.5 |
| | 2 | 4.8 | 12 | 4.5 |
| | 3 | 0.0 | 13 | 0.0 |
| | 4 | 4.5 | 14 | 6.3 |
| | 5 | 4.9 | 15 | 0.0 |
| | 6 | 4.9 | 16 | 4.6 |
| | 7 | 0.0 | 17 | 4.6 |
| | 8 | 1.8 | 18 | 0.0 |
| | 9 | 1.8 | 19 | 1.1 |
| | 10 | 0.0 | 20 | 0.0 |
| PST2 | 1 | 0.0 | 11 | 2.4 |
| | 2 | 0.0 | 12 | 0.0 |
| | 3 | 3.7 | 13 | 2.4 |
| | 4 | 0.0 | 14 | 0.0 |
| | 5 | 3.6 | 15 | 4.8 |
| | 6 | 0.0 | 16 | 0.0 |
| | 7 | 3.8 | 17 | 4.8 |
| | 8 | 0.0 | 18 | 0.0 |
| | 9 | 1.3 | 19 | 4.8 |
| | 10 | 0.0 | 20 | 0.0 |
| PST3 | 1 | 0.2 | 11 | 0.0 |
| | 2 | 0.0 | 12 | 0.0 |
| | 3 | 0.0 | 13 | 9.2 |
| | 4 | 0.0 | 14 | 9.2 |
| | 5 | 0.0 | 15 | 0.0 |
| | 6 | 0.0 | 16 | 0.0 |
| | 7 | 0.0 | 17 | 5.0 |
| | 8 | 0.0 | 18 | 5.0 |
| | 9 | 9.1 | 19 | 0.0 |
| | 10 | 9.1 | 20 | 0.0 |

# DC VOLTAGE TABLES

Terminal Cont.

| | | |
|---|---|---|
| Q401 | B | 4.5 |
| | C | 9.0 |
| | E | 3.8 |
| Q402 | B | 4.4 |
| | C | 9.0 |
| | E | 3.7 |
| Q403 | B | 4.4 |
| | C | 9.0 |
| | E | 3.8 |
| Q404 | B | 4.4 |
| | C | 0.0 |
| | E | 5.1 |
| Q405 | B | 4.2 |
| | C | 0.0 |
| | E | 4.8 |
| Q406 | B | 5.9 |
| | C | 9.1 |
| | E | 5.2 |
| Q407 | B | 6.9 |
| | C | 9.1 |
| | E | 6.3 |
| Q408 | B | 7.1 |
| | C | 9.1 |
| | E | 6.5 |
| Q409 | B | 4.4 |
| | C | 9.1 |
| | E | 3.8 |
| Q410 | B | 3.7 |
| | C | 9.1 |
| | E | 3.1 |
| Q411 | B | 4.4 |
| | C | 9.1 |
| | E | 3.8 |
| Q412 | B | 2.2 |
| | C | 0.0 |
| | E | 2.8 |
| Q413 | B | 2.4 |
| | C | 0.0 |
| | E | 3.0 |
| Q414 | B | 2.5 |
| | C | 0.0 |
| | E | 3.1 |

| | | |
|---|---|---|
| Q415 | B | 1.4 |
| | C | 5.0 |
| | E | 0.7 |
| Q416 | B | 3.7 |
| | C | 8.5 |
| | E | 3.1 |
| Q417 | B | 8.5 |
| | C | 5.6 |
| | E | 9.1 |
| Q418 | B | 5.6 |
| | C | 9.1 |
| | E | 4.9 |
| Q419 | B | 3.7 |
| | C | 8.5 |
| | E | 3.1 |
| Q420 | B | 8.5 |
| | C | 5.5 |
| | E | 9.1 |
| Q421 | B | 5.5 |
| | C | 9.1 |
| | E | 4.9 |
| Q422 | B | 3.7 |
| | C | 8.5 |
| | E | 3.1 |
| Q423 | B | 8.5 |
| | C | 5.6 |
| | E | 9.1 |
| Q424 | B | 5.6 |
| | C | 9.1 |
| | E | 4.9 |
| Q425 | B | 0.7 |
| | C | 0.0 |
| | E | 1.4 |
| Q426 | B | 1.8 |
| | C | 0.0 |
| | E | 2.4 |
| Q427 | B | 1.8 |
| | C | 0.0 |
| | E | 2.4 |
| Q428 | G | 0.0 |
| | C | 5.0 |
| | E | 0.0 |

| | | |
|---|---|---|
| Q431 | B | 2.5 |
| | C | 4.9 |
| | E | 1.9 |
| Q433 | B | 2.5 |
| | C | 4.9 |
| | E | 1.9 |
| Q434 | B | 3.1 |
| | C | 4.9 |
| | E | 2.5 |
| Q435 | B | 3.1 |
| | C | 4.9 |
| | E | 2.5 |
| Q436 | B | 3.1 |
| | C | 4.9 |
| | E | 2.5 |
| Q437 | B | 3.1 |
| | C | 4.9 |
| | E | 2.5 |
| Q438 | B | 3.1 |
| | C | 4.9 |
| | E | 2.5 |
| Q439 | B | 3.1 |
| | C | 4.9 |
| | E | 2.5 |
| Q440 | B | 1.8 |
| | C | 0.0 |
| | E | 2.4 |
| Q441 | B | 1.8 |
| | C | 0.0 |
| | E | 2.4 |
| Q442 | B | 0.7 |
| | C | 0.0 |
| | E | 1.4 |
| Q443 | B | 0.7 |
| | C | 0.0 |
| | E | 0.0 |
| Q444 | B | 4.2 |
| | C | 9.1 |
| | E | 4.9 |
| Q445 | B | 4.2 |
| | C | 9.1 |
| | E | 4.9 |
| Q446 | B | 4.2 |
| | C | 9.1 |
| | E | 4.9 |

## 2H Video

| Symbol | Pin No. | Vdc | Pin No. | Vdc |
|---|---|---|---|---|
| IX01 | 1 | 1.5 | 29 | 4.9 |
| | 2 | 4.3 | 30 | 4.9 |
| | 3 | 4.1 | 31 | 0.0 |
| | 4 | 3.0 | 32 | 0.0 |
| | 5 | 2.3 | 33 | 3.5 |
| | 6 | 2.2 | 34 | 3.5 |
| | 7 | 0.1 | 35 | 3.5 |
| | 8 | 4.0 | 36 | 0.2 |
| | 9 | 4.0 | 37 | 3.5 |
| | 10 | 4.0 | 38 | 3.5 |
| | 11 | 1.6 | 39 | 3.5 |
| | 12 | 4.9 | 40 | 9.1 |
| | 13 | 2.5 | 41 | 2.9 |
| | 14 | 0.0 | 42 | 2.8 |
| | 15 | 2.6 | 43 | 2.7 |
| | 16 | 0.0 | 44 | 0.0 |
| | 17 | 0.0 | 45 | 5.7 |
| | 18 | 0.0 | 46 | 9.1 |
| | 19 | 0.0 | 47 | 0.0 |
| | 20 | 6.7 | 48 | 3.4 |
| | 21 | 0.0 | 49 | 5.5 |
| | 22 | 9.1 | 50 | 5.3 |
| | 23 | 9.1 | 51 | 5.0 |
| | 24 | 1.6 | 52 | 5.1 |
| | 25 | 1.2 | 53 | 6.5 |
| | 26 | 0.0 | 54 | 7.0 |
| | 27 | 4.8 | 55 | 5.0 |
| | 28 | 0.0 | 56 | 0.1 |

| Symbol | Pin No. | Vdc | Pin No. | Vdc |
|---|---|---|---|---|
| IX02 | 1 | 2.5 | 9 | 2.1 |
| | 2 | 4.6 | 10 | 0.0 |
| | 3 | 1.8 | 11 | 2.5 |
| | 4 | 0.0 | 12 | 4.6 |
| | 5 | 1.8 | 13 | 5.0 |
| | 6 | 0.7 | 14 | 2.5 |
| | 7 | 0.0 | 15 | 0.0 |
| | 8 | 2.1 | 16 | 2.5 |
| PSZ1 | 1 | 9.2 | 11 | 0.0 |
| | 2 | 9.2 | 12 | 0.0 |
| | 3 | 0.0 | 13 | 0.0 |
| | 4 | 5.0 | 14 | 0.0 |
| | 5 | 5.0 | 15 | 0.0 |
| | 6 | 0.0 | 16 | 0.0 |
| | 7 | 0.0 | 17 | 0.0 |
| | 8 | 0.0 | 18 | 0.0 |
| | 9 | 0.0 | 19 | 0.7 |
| | 10 | 0.0 | 20 | 0.0 |
| PSZ2 | 1 | 4.8 | 11 | 0.0 |
| | 2 | 4.8 | 12 | 0.5 |
| | 3 | 0.0 | 13 | 0.3 |
| | 4 | 4.6 | 14 | 0.0 |
| | 5 | 10.5 | 15 | 4.2 |
| | 6 | 0.0 | 16 | 0.0 |
| | 7 | 0.0 | 17 | 4.2 |
| | 8 | 1.1 | 18 | 0.0 |
| | 9 | 0.0 | 19 | 4.2 |
| | 10 | 0.1 | 20 | 0.0 |

| Symbol | Pin No. | Vdc |
|---|---|---|
| PZC | 1 | 3.3 |
| | 2 | 0.0 |
| | 3 | 3.4 |
| | 4 | 0.0 |
| | 5 | 3.5 |
| | 6 | 0.0 |
| | 7 | 0.0 |
| | 8 | 9.2 |
| PZV | 1 | 2.7 |
| | 2 | 0.0 |
| | 3 | 0.0 |
| | 4 | 0.0 |

# DC VOLTAGE TABLES

2H Video Cont.

| | | |
|---|---|---|
| QX01 | B | 0.0 |
| | C | 0.0 |
| | E | 0.6 |
| QX02 | B | 0.0 |
| | C | 0.7 |
| | E | 0.0 |
| QX03 | B | 0.0 |
| | C | 0.0 |
| | E | 0.6 |
| QX07 | B | 0.0 |
| | C | 0.0 |
| | E | 0.6 |
| QX08 | B | 0.0 |
| | C | 0.0 |
| | E | 0.6 |
| QX09 | B | 0.0 |
| | C | 0.0 |
| | E | 0.6 |
| QX13 | B | 7.3 |
| | C | 9.2 |
| | E | 6.7 |
| QX15 | B | 1.1 |
| | C | 9.1 |
| | E | 1.1 |
| QX16 | B | 9.1 |
| | C | 0.3 |
| | E | 9.1 |
| QX17 | B | 1.1 |
| | C | 0.0 |
| | E | 1.6 |
| QX18 | B | 0.6 |
| | C | 0.0 |
| | E | 1.2 |
| QX21 | B | 4.2 |
| | C | 9.1 |
| | E | 3.6 |
| QX22 | B | 5.9 |
| | C | 9.1 |
| | E | 4.6 |
| QX23 | B | 5.2 |
| | C | 9.1 |
| | E | 4.6 |
| QX24 | B | 7.7 |
| | C | 9.1 |
| | E | 7.1 |

| | | |
|---|---|---|
| QX25 | B | 1.4 |
| | C | 4.9 |
| | E | 0.8 |
| QX26 | B | 8.5 |
| | C | 4.6 |
| | E | 9.1 |
| QX27 | B | 8.5 |
| | C | 4.9 |
| | E | 9.1 |
| QX31 | B | 2.7 |
| | C | 0.0 |
| | E | 3.4 |
| QX32 | B | 6.9 |
| | C | 3.4 |
| | E | 7.6 |
| QX36 | B | 2.8 |
| | C | 0.0 |
| | E | 3.4 |
| QX37 | B | 6.9 |
| | C | 3.4 |
| | E | 7.6 |
| QX41 | B | 2.9 |
| | C | 0.0 |
| | E | 3.5 |
| QX42 | B | 6.9 |
| | C | 3.5 |
| | E | 7.6 |
| QX46 | B | 3.4 |
| | C | 9.2 |
| | E | 2.7 |
| QX52 | B | 4.9 |
| | C | 9.1 |
| | E | 4.3 |
| QX53 | B | 4.6 |
| | C | 9.1 |
| | E | 4.0 |
| QX54 | B | 4.6 |
| | C | 8.5 |
| | E | 4.0 |
| QX55 | B | 4.9 |
| | C | 8.5 |
| | E | 4.3 |

## Stand-By Power

| Symbol | Pin No. | Vdc |
|---|---|---|
| I901 | 1 | 0.1 |
| | 2 | 0.1 |
| | 3 | 116.5 |
| | 4 | 0.1 |
| | 5 | 3.6 |
| I902 | 1 | 0.1 |
| | 2 | 0.1 |
| | 3 | 0.1 |
| | 4 | 3.6 |
| I903 | 1 | 0.1 |
| | 2 | 0.1 |
| | 3 | 0.1 |
| | 4 | 0.1 |
| I904 | 1 | 3.4 |
| | 2 | 8.3 |
| | 3 | 5.3 |
| | 4 | 0.1 |
| I905 | 1 | 0.1 |
| | 2 | 10.5 |
| | 3 | 0.1 |
| | 4 | 0.1 |
| | 5 | 0.1 |
| I906 | 1 | 0.1 |
| | 2 | 0.1 |
| | 3 | 0.1 |
| | 4 | 0.1 |
| | 5 | 0.1 |

| Symbol | Pin No. | Vdc |
|---|---|---|
| I907 | 1 | 0.1 |
| | 2 | 9.6 |
| | 3 | 0.1 |
| | 4 | 0.1 |
| | 5 | 0.1 |
| I908 | 1 | 0.1 |
| | 2 | 11.8 |
| | 3 | 0.1 |
| | 4 | 0.1 |
| | 5 | 0.1 |
| PQD1 | 1 | 58.8 |
| | 2 | 58.7 |
| PQD2 | 1 | 0.3 |
| | 2 | 0.6 |
| | 3 | 1.6 |
| | 4 | 1.9 |
| | 5 | 0.6 |
| | 6 | 3.2 |
| | 7 | 0.1 |
| PQS1 | 1 | 0.1 |
| | 2 | 0.1 |
| | 3 | 0.1 |
| | 4 | 0.1 |
| | 5 | 0.1 |
| | 6 | 0.1 |
| | 7 | 0.1 |
| | 8 | 0.1 |
| | 9 | 0.1 |
| | 10 | 4.0 |

| Symbol | Pin No. | Vdc |
|---|---|---|
| PQS2 | 1 | 0.1 |
| | 2 | 0.1 |
| | 3 | 0.1 |
| | 4 | 0.6 |
| | 5 | 0.1 |
| | 6 | 0.1 |
| | 7 | 0.9 |
| | 8 | 0.1 |
| | 9 | 0.1 |
| | 10 | 0.4 |
| | 11 | 0.1 |
| PQU1 | 1 | 0.1 |
| | 2 | 2.0 |
| | 3 | 0.1 |
| | 4 | 0.1 |
| | 5 | 5.0 |
| | 6 | 0.1 |
| PQU2 | 1 | 0.1 |
| | 2 | 2.0 |
| | 3 | 0.1 |
| | 4 | 1.6 |
| | 5 | 0.6 |
| | 6 | 0.1 |
| | 7 | 0.1 |
| | 8 | 0.1 |

# DC VOLTAGE TABLES

## Stand-By Power Cont.

| | | |
|---|---|---|
| Q901 | K | 0.0 |
| | C | 13.0 |
| | G | 0.0 |
| Q902 | B | 6.5 |
| | C | 11.3 |
| | E | 5.9 |
| Q903 | B | 0.1 |
| | C | 4.7 |
| | E | 0.0 |
| Q904 | B | 0.6 |
| | C | 1.5 |
| | E | 0.0 |
| Q905 | K | 0.2 |
| | C | 11.7 |
| | G | 0.2 |
| Q906 | B | 0.2 |
| | C | -12.0 |
| | E | 0.7 |

| | | |
|---|---|---|
| Q907 | B | 0.1 |
| | C | 0.2 |
| | E | 0.7 |
| Q908 | B | 4.9 |
| | C | 4.9 |
| | E | 4.4 |
| Q909 | B | 0.0 |
| | C | -4.1 |
| | E | 0.1 |
| Q910 | B | 2.8 |
| | C | 13.8 |
| | E | 2.1 |
| Q911 | B | 0.9 |
| | C | 0.7 |
| | E | 0.0 |
| Q912 | B | 0.0 |
| | C | -4.5 |
| | E | 0.1 |

## Power Deflection

| Symbol | Pin No. | Vdc |
|---|---|---|
| IP01 | 1 | 2.1 |
| | 2 | 0.1 |
| | 3 | 165.3 |
| | 4 | 18.2 |
| | 5 | 0.0 |
| IP02 | 1 | 7.8 |
| | 2 | 6.3 |
| | 3 | 0.0 |
| | 4 | 2.1 |
| IP03 | 1 | 120.4 |
| | 2 | 10.7 |
| | 3 | 0.0 |
| IP04 | 1 | 11.9 |
| | 2 | 17.0 |
| | 3 | 3.0 |

| Symbol | Pin No. | Vdc |
|---|---|---|
| PDC1 | 1 | 0.1 |
| | 2 | 2.0 |
| | 3 | 0.1 |
| | 4 | 0.1 |
| | 5 | 5.0 |
| PQD1 | 1 | 58.3 |
| | 2 | 58.4 |
| PQD2 | 1 | 0.3 |
| | 2 | 0.6 |
| | 3 | 1.6 |
| | 4 | 1.9 |
| | 5 | 0.6 |
| | 6 | 3.2 |
| | 7 | 0.1 |

| | | |
|---|---|---|
| QP01 | K | 0.0 |
| | G | 0.2 |
| | C | 10.3 |
| QP02 | B | 119.9 |
| | C | 1.2 |
| | E | 120.4 |
| QP03 | B | 6.2 |
| | C | 0.0 |
| | E | 6.2 |
| QP04 | B | 10.4 |
| | C | 11.1 |
| | E | 11.1 |

## Deflection

| Symbol | Pin No. | Vdc |
|---|---|---|
| I601 | 1 | 15.4 |
| | 2 | 27.0 |
| | 3 | 4.7 |
| | 4 | 6.7 |
| | 5 | 4.5 |
| | 6 | 17.3 |
| | 7 | 3.9 |
| | 8 | 4.3 |
| | 9 | 4.5 |
| | 10 | 27.3 |
| | 11 | 1.2 |
| I651 | 1 | 1.0 |
| | 2 | 1.3 |
| | 3 | 0.9 |
| | 4 | 0.0 |
| | 5 | 3.0 |
| | 6 | 0.9 |
| | 7 | 0.3 |
| | 8 | 12.2 |

| Symbol | Pin No. | Vdc | Pin No. | Vdc |
|---|---|---|---|---|
| I701 | 1 | 0.1 | 13 | 0.0 |
| | 2 | 0.1 | 14 | 0.0 |
| | 3 | 3.0 | 15 | 1.2 |
| | 4 | 3.2 | 16 | 4.8 |
| | 5 | 0.0 | 17 | 4.8 |
| | 6 | 6.7 | 18 | 6.0 |
| | 7 | 5.4 | 19 | 2.2 |
| | 8 | 9.4 | 20 | 0.5 |
| | 9 | 2.6 | 21 | 2.2 |
| | 10 | 1.0 | 22 | 5.0 |
| | 11 | 1.1 | 23 | 0.3 |
| | 12 | 1.2 | 24 | 0.7 |
| IH02 | 1 | 33.7 | 9 | 34.7 |
| | 2 | 39.4 | 10 | 34.6 |
| | 3 | 28.2 | 11 | 34.6 |
| | 4 | 29.8 | 12 | 34.6 |
| | 5 | 0.5 | 13 | 30.1 |
| | 6 | 27.5 | 14 | 29.3 |
| | 7 | 27.4 | 15 | 32.4 |
| | 8 | 27.5 | 16 | 27.5 |

| Symbol | Pin No. | Vdc |
|---|---|---|
| PDF | 1 | 216.8 |
| | 4 | 0.0 |
| PMB | 1 | -14.7 |
| | 2 | -14.7 |
| | 3 | 89.2 |
| | 4 | 88.5 |
| PMG | 1 | -14.7 |
| | 2 | -14.7 |
| | 3 | 89.2 |
| | 4 | 88.5 |
| PMR | 1 | -14.7 |
| | 2 | -14.7 |
| | 3 | 89.2 |
| | 4 | 88.5 |

| Symbol | Pin No. | Vdc |
|---|---|---|
| PSD2 | 1 | 4.8 |
| | 2 | 4.8 |
| | 3 | 4.2 |
| | 4 | 0.0 |
| | 5 | 9.2 |
| | 6 | 0.0 |
| | 7 | 0.0 |
| PSD3 | 1 | 10.3 |
| | 2 | 0.0 |
| | 3 | 0.0 |
| | 4 | 3.0 |
| | 5 | 0.0 |
| | 6 | 1.5 |
| | 7 | 0.0 |
| | 8 | 3.2 |
| | 9 | 0.0 |
| | 10 | 0.6 |
| | 11 | 0.0 |
| | 12 | 0.0 |
| | 13 | 0.0 |

| | | |
|---|---|---|
| Q601 | B | 0.3 |
| | C | 2.5 |
| | E | 0.0 |
| Q608 | B | 0.0 |
| | C | 5.1 |
| | E | 0.0 |
| Q609 | B | 27.3 |
| | C | 0.0 |
| | E | 27.6 |
| Q612 | B | 0.3 |
| | C | 8.8 |
| | E | 0.0 |
| Q613 | B | 0.0 |
| | C | 1.6 |
| | E | 0.6 |
| Q652 | B | 10.7 |
| | C | 6.8 |
| | E | 11.4 |
| Q653 | B | 6.1 |
| | C | 0.9 |
| | E | 6.6 |
| Q654 | B | 5.3 |
| | C | 2.4 |
| | E | 5.9 |

| | | |
|---|---|---|
| Q655 | B | 0.9 |
| | C | 12.2 |
| | E | 1.2 |
| Q656 | B | 0.9 |
| | C | 0.0 |
| | E | 1.2 |
| Q657 | B | 0.0 |
| | C | 92.8 |
| | E | -0.1 |
| Q701 | B | 0.0 |
| | C | 6.7 |
| | E | 0.0 |
| Q702 | B | 6.7 |
| | C | 9.3 |
| | E | 6.0 |
| Q703 | B | 0.7 |
| | C | 0.0 |
| | E | 0.0 |
| Q704 | B | 0.0 |
| | C | 16.6 |
| | E | 0.0 |
| Q705 | B | 0.7 |
| | C | 0.0 |
| | E | 0.0 |
| Q751 | B | 0.4 |
| | C | 16.6 |
| | E | 0.2 |
| Q754 | B | 9.5 |
| | C | 0.7 |
| | E | 7.4 |
| Q755 | B | 1.0 |
| | C | 12.2 |
| | E | 1.5 |

# DC VOLTAGE TABLES

## Deflection Cont.

| | | |
|---|---|---|
| Q777 | B | -0.1 |
| | C | 118.0 |
| | E | 0.0 |
| QF01 | B | 0.7 |
| | C | 0.0 |
| | E | 0.0 |
| QF02 | B | 1.3 |
| | C | 0.0 |
| | E | 0.7 |
| QF03 | B | 6.5 |
| | C | 0.8 |
| | E | 6.9 |
| QF04 | B | 0.8 |
| | C | 11.6 |
| | E | 0.3 |
| QF06 | B | 12.2 |
| | C | 0.0 |
| | E | 11.9 |
| QF07 | B | 0.0 |
| | C | 0.0 |
| | E | 0.0 |

| | | |
|---|---|---|
| QF09 | B | 11.4 |
| | C | 0.0 |
| | E | 10.9 |
| QH01 | G | 3.4 |
| | C | 114.5 |
| | E | 0.3 |
| QH07 | B | 11.8 |
| | C | -0.7 |
| | E | 10.4 |
| QH08 | B | 0.5 |
| | C | 4.2 |
| | E | 0.0 |
| QH09 | B | 4.2 |
| | C | 12.2 |
| | E | 4.0 |
| QH10 | B | 4.2 |
| | C | 0.0 |
| | E | 4.0 |
| QH80 | B | 12.0 |
| | C | 11.9 |
| | E | 12.2 |

| | | |
|---|---|---|
| QN01 | B | 0.0 |
| | C | 12.0 |
| | E | 0.0 |
| QN02 | B | 0.9 |
| | C | 11.0 |
| | E | 0.5 |
| QN03 | B | 0.1 |
| | C | 11.0 |
| | E | 0.0 |
| QN04 | B | 11.0 |
| | C | -0.7 |
| | E | 11.1 |
| QN05 | B | -0.1 |
| | C | 0.5 |
| | E | 0.0 |
| QN07 | B | 0.1 |
| | C | 0.1 |
| | E | 0.0 |
| QN08 | B | 0.7 |
| | C | 0.0 |
| | E | 0.0 |

## Convergence

| Symbol | Pin No. | Vdc |
|---|---|---|
| IK01 | 1 | 8.7 |
| | 2 | 0.0 |
| | 3 | 5.0 |
| IK02 | 1 | 4.4 |
| | 2 | 5.1 |
| | 3 | 0.0 |
| IK03 | 1 | 8.7 |
| | 2 | 0.0 |
| | 3 | 5.1 |
| IK04 | 1 | 0.0 |
| | 2 | 0.0 |
| | 3 | -26.2 |
| | 4 | -27.4 |
| | 5 | 32.6 |
| | 6 | -0.1 |
| | 7 | -0.1 |
| | 8 | -22.8 |
| | 9 | -0.1 |
| | 10 | 27.5 |
| | 11 | -0.1 |
| | 12 | -22.8 |
| | 13 | -0.1 |
| | 14 | 0.1 |
| | 15 | 0.3 |
| | 16 | 0.3 |
| | 17 | 22.8 |
| | 18 | 0.3 |
| IK05 | 1 | 0.0 |
| | 2 | 0.0 |
| | 3 | -26.3 |
| | 4 | -27.4 |
| | 5 | 32.6 |
| | 6 | -0.1 |
| | 7 | -0.1 |
| | 8 | -22.8 |
| | 9 | -0.1 |
| | 10 | 27.5 |
| | 11 | 0.0 |
| | 12 | -22.8 |
| | 13 | 0.0 |
| | 14 | 0.0 |
| | 15 | 0.2 |
| | 16 | 0.2 |
| | 17 | -22.8 |
| | 18 | 0.2 |
| PCB | 1 | 27.4 |
| | 2 | 27.4 |
| | 3 | 27.5 |
| | 4 | 27.4 |
| PCG | 1 | 27.4 |
| | 2 | 27.4 |
| | 3 | 27.6 |
| | 4 | 27.6 |

| Symbol | Pin No. | Vdc |
|---|---|---|
| PCR | 1 | 27.4 |
| | 2 | 27.4 |
| | 3 | 27.7 |
| | 4 | 27.8 |
| PDC | 1 | 8.3 |
| | 2 | 8.4 |
| | 3 | 8.4 |
| | 4 | 0.0 |
| | 5 | 0.0 |
| | 6 | 0.7 |
| | 7 | 0.0 |
| | 8 | 0.1 |
| | 9 | 0.7 |
| PDG | 1 | 3.1 |
| | 2 | 8.4 |
| | 3 | 13.4 |
| | 4 | 13.2 |
| | 5 | 9.0 |
| | 6 | 8.4 |
| | 7 | 8.5 |
| | 8 | 8.4 |
| | 9 | 13.4 |
| | 10 | 8.4 |
| | 11 | 8.4 |
| | 12 | 8.4 |
| | 13 | 8.4 |
| | 14 | 13.4 |
| | 15 | 13.4 |
| PDS | 1 | 8.4 |
| | 2 | 8.4 |
| | 3 | 8.2 |
| | 4 | 8.7 |
| | 5 | 8.3 |
| | 6 | 9.2 |
| | 7 | 9.2 |
| | 8 | 9.3 |
| | 9 | 8.1 |
| PDS1 | 1 | 13.4 |
| | 2 | 8.4 |
| | 3 | 8.4 |
| | 4 | 8.4 |
| | 5 | 8.4 |
| | 6 | 8.2 |
| | 7 | 8.7 |
| | 8 | 8.3 |
| | 9 | 9.2 |
| | 10 | 9.2 |
| | 11 | 9.3 |
| | 12 | 8.1 |
| PDS1 | 5 | 8.4 |
| | 6 | 8.2 |
| | 7 | 8.7 |
| | 8 | 8.3 |
| | 9 | 9.2 |
| | 10 | 9.2 |
| | 11 | 9.3 |
| | 12 | 8.1 |

| Symbol | Pin No. | Vdc |
|---|---|---|
| PSD1 | 1 | 0.0 |
| | 2 | 0.0 |
| | 3 | 0.0 |
| | 4 | 0.0 |
| | 5 | 5.0 |
| | 6 | 0.0 |
| | 7 | 0.0 |

| | | |
|---|---|---|
| QK01 | B | -8.4 |
| | C | -5.3 |
| | E | -8.9 |
| QK02 | B | -0.1 |
| | C | 0.0 |
| | E | 0.0 |
| QK03 | B | 0.0 |
| | C | -7.7 |
| | E | 0.6 |
| QK06 | B | 0.0 |
| | C | 5.0 |
| | E | 0.0 |
| QK07 | B | 0.0 |
| | C | 5.0 |
| | E | 0.0 |
| QK08 | B | 0.0 |
| | C | 5.0 |
| | E | 0.0 |
| QK71 | B | 0.0 |
| | C | 0.0 |
| | E | 0.0 |

# DC VOLTAGE TABLES

## Sensor

| | | |
|---|---|---|
| QL10 | B | 4.7 |
| | C | 0.4 |
| | E | 4.9 |
| QL11 | B | 4.7 |
| | C | 1.2 |
| | E | 5.1 |
| QL12 | B | 4.7 |
| | C | 1.0 |
| | E | 5.1 |
| QL13 | B | 4.7 |
| | C | 1.1 |
| | E | 5.1 |
| QL14 | B | 4.7 |
| | C | 0.3 |
| | E | 4.8 |
| QL15 | B | 4.7 |
| | C | 3.8 |
| | E | 5.2 |
| QL16 | B | 4.7 |
| | C | 0.0 |
| | E | 4.9 |
| QL17 | B | 4.7 |
| | C | 1.1 |
| | E | 5.1 |

| Symbol | Pin No. | Vdc |
|---|---|---|
| PS1 | 1 | 0.0 |
| | 2 | 5.1 |
| | 3 | 4.6 |
| | 4 | 0.0 |
| | 5 | 5.1 |
| | 6 | 5.1 |
| | 7 | 0.1 |
| | 8 | 5.1 |
| | 9 | 5.1 |
| PS2 | 1 | 0.0 |
| | 2 | 5.1 |
| | 3 | 5.1 |
| | 4 | 0.0 |
| | 5 | 5.1 |
| | 6 | 4.7 |
| | 7 | 0.0 |
| | 8 | 5.1 |
| | 9 | 5.2 |
| | 10 | 0.0 |

| Symbol | Pin No. | Vdc |
|---|---|---|
| PS3 | 1 | 0.0 |
| | 2 | 5.1 |
| | 3 | 4.9 |
| | 4 | 0.0 |
| | 5 | 5.1 |
| | 6 | 5.1 |
| PDS1 | 1 | 5.1 |
| | 2 | 0.0 |
| | 3 | 0.0 |
| | 4 | 0.0 |
| | 5 | 1.0 |
| | 6 | 0.3 |
| | 7 | 3.9 |
| | 8 | 0.3 |
| | 9 | 1.1 |
| | 10 | 1.1 |
| | 11 | 1.4 |
| | 12 | 0.3 |

## CPT

| | | |
|---|---|---|
| Q801 | B | 3.4 |
| | C | 8.4 |
| | E | 2.9 |
| Q802 | B | 8.6 |
| | C | 9.2 |
| | E | 8.4 |
| Q803 | B | 9.1 |
| | C | 172.0 |
| | E | 8.6 |
| Q804 | B | 172.0 |
| | C | 1.0 |
| | E | 172.7 |
| Q805 | B | 173.5 |
| | C | 222.0 |
| | E | 173.1 |
| Q812 | B | 1.7 |
| | C | 1.0 |
| | E | 1.0 |
| Q851 | B | 3.4 |
| | C | 8.3 |
| | E | 2.9 |
| Q852 | B | 8.6 |
| | C | 9.2 |
| | E | 8.3 |
| Q853 | B | 9.1 |
| | C | 159.6 |
| | E | 8.6 |
| Q854 | B | 159.6 |
| | C | 1.1 |
| | E | 160.3 |
| Q855 | B | 161.3 |
| | C | 222.0 |
| | E | 160.9 |
| Q858 | B | 1.9 |
| | C | 0.0 |
| | E | 2.5 |

| | | |
|---|---|---|
| Q859 | B | 2.5 |
| | C | 9.2 |
| | E | 1.9 |
| Q862 | B | 1.8 |
| | C | 1.1 |
| | E | 1.1 |
| Q8A1 | B | 3.5 |
| | C | 8.3 |
| | E | 3.0 |
| Q8A2 | B | 8.6 |
| | C | 9.2 |
| | E | 8.3 |
| Q8A3 | B | 9.1 |
| | C | 164.2 |
| | E | 8.6 |
| Q8A4 | B | 164.5 |
| | C | 1.1 |
| | E | 164.9 |
| Q8A5 | B | 165.9 |
| | C | 222.0 |
| | E | 165.3 |
| Q8A6 | B | 3.1 |
| | C | 0.0 |
| | E | 2.9 |
| Q8A7 | B | 3.7 |
| | C | 9.2 |
| | E | 3.1 |
| Q8C1 | B | 0.0 |
| | C | 9.1 |
| | E | 0.0 |
| Q8C2 | B | 1.7 |
| | C | 1.1 |
| | E | 1.0 |

| Symbol | Pin No. | Vdc |
|---|---|---|
| P801 | 1 | 0.0 |
| | 2 | 0.0 |
| | 3 | 0.0 |
| P802 | 1 | 175.1 |
| P851 | 1 | 0.1 |
| | 2 | 0.0 |
| | 3 | 0.0 |
| P852 | 1 | 160.6 |
| P8A1 | 1 | 0.0 |
| | 2 | 0.0 |
| | 3 | 0.0 |
| P8A2 | 1 | 165.6 |
| PBV | 1 | 0.0 |
| | 2 | 0.0 |
| PCV | 1 | 222.0 |
| | 2 | 0.0 |
| | 3 | 27.9 |
| | 4 | 0.0 |
| | 5 | 6.2 |
| PGV | 1 | 0.0 |
| | 2 | 0.0 |
| PRV | 1 | 0.0 |
| | 2 | 0.0 |
| PZC | 1 | 3.4 |
| | 2 | 0.0 |
| | 3 | 3.4 |
| | 4 | 0.0 |
| | 5 | 3.5 |
| | 6 | 0.0 |
| | 7 | 0.0 |
| | 8 | 9.3 |

# DC VOLTAGE TABLES

## VM

| Symbol | Pin No. | Vdc |
|---|---|---|
| PCV | 1 | 222.0 |
| | 2 | 0.0 |
| | 3 | 27.9 |
| | 4 | 0.0 |
| | 5 | 6.2 |
| PVMB | 1 | 0.0 |
| | 2 | 0.0 |
| | 3 | 117.0 |
| | 4 | 117.0 |
| PVMG | 1 | 0.0 |
| | 2 | 0.0 |
| | 3 | 117.1 |
| | 4 | 117.1 |
| PVMR | 1 | 0.0 |
| | 2 | 0.0 |
| | 3 | 117.1 |
| | 4 | 117.1 |
| PZV | 1 | 2.7 |
| | 2 | 0.0 |
| | 3 | 0.0 |
| | 4 | 0.0 |

| | | |
|---|---|---|
| QE01 | B | 3.4 |
| | C | 12.7 |
| | E | 2.7 |
| QE02 | B | 12.0 |
| | C | 27.9 |
| | E | 12.7 |
| QE03 | B | 13.3 |
| | C | 22.3 |
| | E | 12.7 |
| QE04 | B | 22.3 |
| | C | 27.9 |
| | E | 21.6 |
| QE05 | G | 2.3 |
| | C | 15.2 |
| | E | 1.6 |
| QE07 | B | 15.1 |
| | C | 0.0 |
| | E | 15.7 |
| QE08 | B | 15.7 |
| | C | 27.9 |
| | E | 15.2 |
| QE10 | B | 15.2 |
| | C | 27.9 |
| | E | 14.6 |

| | | |
|---|---|---|
| QE11 | B | 13.8 |
| | C | 0.0 |
| | E | 14.3 |
| QE22 | B | 211.4 |
| | C | 10.7 |
| | E | 211.7 |
| QE23 | B | 209.9 |
| | C | 187.6 |
| | E | 210.5 |
| QE24 | B | 186.7 |
| | C | 117.0 |
| | E | 187.6 |
| QE25 | B | 24.9 |
| | C | 117.1 |
| | E | 24.4 |
| QE26 | B | 1.4 |
| | C | 24.4 |
| | E | 0.9 |
| QE35 | B | 12.5 |
| | C | 140.2 |
| | E | 12.0 |
| QE36 | B | 12.6 |
| | C | 27.9 |
| | E | 12.0 |

## Surround 1 of 2

| Symbol | Pin No. | Vdc | Pin No. | Vdc |
|---|---|---|---|---|
| IS01 | 1 | 0.0 | 9 | 0.0 |
| | 2 | 0.0 | 10 | 0.0 |
| | 3 | 4.1 | 11 | 0.0 |
| | 4 | 0.4 | 12 | 0.0 |
| | 5 | 0.4 | 13 | 0.0 |
| | 6 | 0.4 | 14 | 4.8 |
| | 7 | 0.4 | 15 | 4.7 |
| | 8 | 0.0 | 16 | 5.0 |
| IS02 | 1 | 0.0 | 5 | 0.0 |
| | 2 | 0.0 | 6 | 0.0 |
| | 3 | 0.0 | 7 | 0.0 |
| | 4 | -12.8 | 8 | 12.2 |
| IS03 | 1 | 4.3 | 11 | 4.3 |
| | 2 | 3.6 | 12 | 4.3 |
| | 3 | 7.6 | 13 | 4.3 |
| | 4 | 4.8 | 14 | 4.3 |
| | 5 | 4.8 | 15 | 4.3 |
| | 6 | 0.0 | 16 | 8.6 |
| | 7 | 0.0 | 17 | 4.3 |
| | 8 | 0.0 | 18 | 4.3 |
| | 9 | 3.6 | 19 | 4.3 |
| | 10 | 4.3 | 20 | 4.3 |
| IS04 | 1 | 0.0 | 5 | 0.0 |
| | 2 | 0.0 | 6 | 0.0 |
| | 3 | 0.0 | 7 | 0.0 |
| | 4 | -12.8 | 8 | 12.2 |
| IS05 | 1 | 4.6 | 16 | 4.8 |
| | 2 | 4.6 | 17 | 4.8 |
| | 3 | 4.6 | 18 | 0.0 |
| | 4 | 4.5 | 19 | 4.6 |
| | 5 | 4.6 | 20 | 4.6 |
| | 6 | 4.6 | 21 | 4.6 |
| | 7 | 4.6 | 22 | 4.6 |
| | 8 | 4.6 | 23 | 4.6 |
| | 9 | 4.6 | 24 | 4.6 |
| | 10 | 4.0 | 25 | 4.6 |
| | 11 | 4.6 | 26 | 4.6 |
| | 12 | 4.6 | 27 | 4.6 |
| | 13 | 9.2 | 28 | 4.6 |
| | 14 | 4.6 | 29 | 4.6 |
| | 15 | 0.0 | 30 | 4.6 |

| Symbol | Pin No. | Vdc | Pin No. | Vdc |
|---|---|---|---|---|
| IS06 | 1 | 0.0 | 5 | 0.0 |
| | 2 | 0.0 | 6 | 0.0 |
| | 3 | 0.0 | 7 | 0.0 |
| | 4 | -12.8 | 8 | 12.2 |
| IS07 | 1 | 0.0 | 5 | 0.0 |
| | 2 | 0.0 | 6 | 0.0 |
| | 3 | 0.0 | 7 | 0.0 |
| | 4 | -12.8 | 8 | 12.2 |
| IS08 | 1 | 0.0 | 5 | 0.0 |
| | 2 | 0.0 | 6 | 0.0 |
| | 3 | 0.0 | 7 | 0.0 |
| | 4 | -12.8 | 8 | 12.2 |
| IS09 | 1 | 0.0 | 5 | 0.0 |
| | 2 | 0.0 | 6 | 0.0 |
| | 3 | 0.0 | 7 | 0.0 |
| | 4 | -12.8 | 8 | 12.2 |
| IS10 | 1 | 3.4 | 16 | 2.0 |
| | 2 | 3.2 | 17 | 1.8 |
| | 3 | 2.9 | 18 | -2.9 |
| | 4 | 2.2 | 19 | -1.7 |
| | 5 | 2.0 | 20 | -1.6 |
| | 6 | 1.8 | 21 | 0.2 |
| | 7 | 1.8 | 22 | -0.7 |
| | 8 | 1.7 | 23 | 0.2 |
| | 9 | 1.6 | 24 | -0.9 |
| | 10 | 1.7 | 25 | 0.2 |
| | 11 | 1.6 | 26 | -1.1 |
| | 12 | 1.4 | 27 | 0.1 |
| | 13 | 6.2 | 28 | -1.2 |
| | 14 | 1.9 | 29 | 0.1 |
| | 15 | -3.0 | 30 | 2.3 |
| IS11 | 1 | 4.3 | 11 | 4.3 |
| | 2 | 3.6 | 12 | 4.3 |
| | 3 | 7.5 | 13 | 4.3 |
| | 4 | 0.0 | 14 | 4.3 |
| | 5 | 4.9 | 15 | 4.3 |
| | 6 | 0.0 | 16 | 8.6 |
| | 7 | 0.0 | 17 | 4.3 |
| | 8 | 0.0 | 18 | 4.3 |
| | 9 | 3.6 | 19 | 4.3 |
| | 10 | 4.3 | 20 | 4.3 |

| Symbol | Pin No. | Vdc | Pin No. | Vdc |
|---|---|---|---|---|
| IS12 | 1 | 0.0 | 5 | 0.0 |
| | 2 | 0.0 | 6 | 0.0 |
| | 3 | 0.0 | 7 | 0.0 |
| | 4 | -12.8 | 8 | 12.2 |
| IS13 | 1 | 0.0 | 5 | 5.1 |
| | 2 | 4.2 | 6 | 7.0 |
| | 4 | 5.1 | -- | -- |
| IS19 | 1 | 4.6 | 6 | 0.0 |
| | 2 | 1.2 | 7 | 0.0 |
| | 3 | 4.6 | 8 | 4.6 |
| | 4 | 9.2 | 9 | 5.7 |
| | 5 | 4.6 | 10 | 4.6 |
| IS20 | 1 | 0.0 | 5 | 0.0 |
| | 2 | 0.0 | 6 | 0.0 |
| | 3 | 0.0 | 7 | 0.0 |
| | 4 | -12.8 | 8 | 12.2 |

| Symbol | Pin No. | Vdc |
|---|---|---|
| PMU1 | 1 | 5.0 |
| | 2 | 0.0 |
| | 3 | 4.9 |
| | 4 | 0.0 |
| | 5 | 4.9 |
| | 6 | 4.9 |
| | 7 | 0.0 |
| | 8 | 0.0 |
| | 9 | 2.4 |
| | 10 | 0.0 |
| | 11 | 0.0 |
| | 12 | 4.8 |
| | 13 | 5.0 |
| PMU2 | 1 | 4.6 |
| | 2 | 0.0 |
| | 3 | 4.5 |
| | 4 | 0.0 |
| PMU3 | 1 | 0.0 |
| | 2 | 0.0 |
| | 3 | 0.0 |
| | 4 | 0.0 |
| | 5 | 0.0 |
| | 6 | 0.0 |
| | 7 | 0.0 |
| | 8 | -12.7 |
| | 9 | 12.1 |

# DC VOLTAGE TABLES

Surround 1 of 2 Cont.

| | | |
|---|---|---|
| QS01 | D | 0.0 |
| | S | 0.0 |
| | | -12.4 |
| QS02 | B | 12.1 |
| | C | -12.7 |
| | E | 12.2 |
| QS03 | B | 0.0 |
| | C | 12.1 |
| | E | 0.0 |
| QS23 | B | 0.0 |
| | C | 12.1 |
| | E | 0.0 |
| QS24 | B | 12.1 |
| | C | -12.7 |
| | E | 12.2 |
| QS25 | D | 0.0 |
| | S | 0.0 |
| | | -12.4 |
| QS26 | G | 0.8 |
| | C | 0.0 |
| | E | 0.0 |
| QS27 | B | 0.8 |
| | C | 0.0 |
| | E | 0.0 |

| Symbol | Pin No. | Vdc | Pin No. | Vdc |
|---|---|---|---|---|
| PSU1 | 1 | 4.8 | 11 | 4.5 |
| | 2 | 4.8 | 12 | 4.5 |
| | 3 | 4.9 | 13 | 0.0 |
| | 4 | 4.8 | 14 | 0.0 |
| | 5 | 0.0 | 15 | 4.8 |
| | 6 | 0.4 | 16 | 0.0 |
| | 7 | 0.0 | 17 | 5.0 |
| | 8 | 3.5 | 18 | 0.0 |
| | 9 | 3.4 | 19 | 9.2 |
| | 10 | 0.0 | 20 | 9.2 |
| PSU2 | 1 | 0.0 | 11 | 4.8 |
| | 2 | 4.9 | 12 | 4.9 |
| | 3 | 0.0 | 13 | 0.0 |
| | 4 | 0.0 | 14 | 0.0 |
| | 5 | 2.4 | 15 | 0.0 |
| | 6 | 0.0 | 16 | 0.0 |
| | 7 | 4.8 | 17 | 0.0 |
| | 8 | 0.0 | 18 | 0.0 |
| | 9 | 0.0 | 19 | 30.0 |
| | 10 | 0.0 | 20 | 30.0 |
| PQU2 | 1 | 5.2 | | |
| | 2 | -7.0 | | |
| | 3 | -19.8 | | |
| | 4 | -7.0 | | |
| | 5 | 0.0 | | |
| | 6 | 0.0 | | |
| | 7 | -7.0 | | |
| | 8 | -7.0 | | |

## Surround 2 of 2

| Symbol | Pin No. | Vdc | Pin No. | Vdc |
|---|---|---|---|---|
| IS15 | 1 | 1.5 | 7 | 13.8 |
| | 2 | 0.0 | 8 | 5.0 |
| | 3 | 0.0 | 9 | 29.6 |
| | 4 | 0.0 | 10 | 0.0 |
| | 5 | 1.5 | 11 | 4.3 |
| | 6 | 10.0 | 12 | 13.2 |
| IS16 | 1 | 1.6 | 7 | 13.8 |
| | 2 | 0.0 | 8 | 5.0 |
| | 3 | 0.0 | 9 | 29.6 |
| | 4 | 0.0 | 10 | 0.0 |
| | 5 | 1.6 | 11 | 4.3 |
| | 6 | 10.0 | 12 | 13.2 |
| IS17 | 1 | 0.0 | 9 | 0.0 |
| | 2 | 0.1 | 10 | 0.0 |
| | 3 | 2.5 | 11 | 0.0 |
| | 4 | 0.0 | 12 | 5.0 |
| | 5 | 2.5 | 13 | 0.0 |
| | 6 | 2.5 | 14 | 0.0 |
| | 7 | 0.0 | 15 | 0.0 |
| | 8 | 0.0 | 16 | 5.0 |
| IS18 | 1 | 0.0 | 8 | 2.5 |
| | 2 | 5.0 | 9 | 2.7 |
| | 3 | 0.0 | 10 | 2.7 |
| | 4 | 5.0 | 11 | 2.7 |
| | 5 | 0.0 | 12 | 5.0 |
| | 6 | 5.0 | 13 | 0.0 |
| | 7 | 0.0 | 14 | 5.0 |

| Symbol | Pin No. | Vdc |
|---|---|---|
| PCL | 1 | -7.0 |
| | 2 | -7.0 |
| | 3 | 0.0 |
| PCR | 1 | -7.0 |
| | 2 | -7.0 |
| | 3 | 0.0 |
| PMU4 | 1 | -7.0 |
| | 2 | -2.0 |
| | 3 | -4.4 |
| PQU1 | 1 | 23.0 |
| | 2 | 23.0 |
| | 3 | -7.0 |
| | 4 | -7.0 |
| | 5 | 0.0 |
| | 6 | 22.6 |

| | | |
|---|---|---|
| QS04 | B | 0.3 |
| | C | 0.0 |
| | E | 0.0 |
| QS05 | B | 0.3 |
| | C | 0.0 |
| | E | 0.0 |
| QS06 | B | 0.1 |
| | C | 4.4 |
| | E | 0.0 |
| QS07 | B | 0.0 |
| | C | 10.0 |
| | E | 0.0 |
| QS08 | B | 0.0 |
| | C | 0.0 |
| | E | 0.0 |
| QS09 | B | 0.3 |
| | C | 0.0 |
| | E | 0.0 |
| QS10 | B | 0.0 |
| | C | 4.3 |
| | E | 0.0 |
| QS11 | B | 0.0 |
| | C | 0.0 |
| | E | 0.0 |
| QS12 | B | 4.2 |
| | C | 9.2 |
| | E | 3.6 |
| QS14 | B | 4.2 |
| | C | 0.0 |
| | E | 3.6 |
| QS16 | B | 0.0 |
| | C | 0.0 |
| | E | 0.0 |
| QS17 | B | 0.0 |
| | C | 0.0 |
| | E | 0.0 |
| QS18 | B | 0.0 |
| | C | 9.2 |
| | E | 3.6 |
| QS20 | B | 0.0 |
| | C | 0.0 |
| | E | 0.0 |
| QS21 | B | 0.0 |
| | C | 5.1 |
| | E | 0.0 |
| QS22 | B | 0.7 |
| | C | 0.0 |
| | E | 0.0 |

## Control

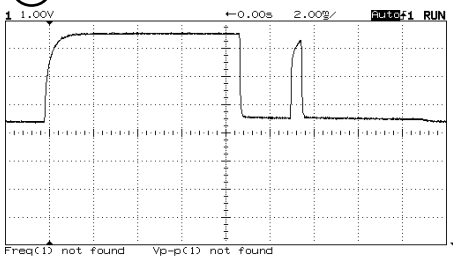
| Symbol | Pin No. | Vdc |
|---|---|---|
| PFC | 1 | 0.5 |
| | 2 | 0.5 |
| | 3 | 0.0 |
| | 4 | 0.0 |
| PFS | 1 | 1.5 |
| | 2 | 0.0 |
| | 3 | 0.8 |
| | 4 | 0.6 |
| | 5 | 0.0 |
| | 6 | 0.0 |
| | 7 | 0.5 |
| | 8 | 0.5 |
| | 9 | 0.8 |
| PFT | 1 | 0.0 |
| | 2 | 0.0 |
| | 3 | 0.0 |
| | 4 | 0.0 |
| | 5 | 0.0 |
| | 6 | 0.0 |
| | 7 | 0.0 |
| | 8 | 0.0 |
| | 9 | 0.0 |
| | 10 | 0.0 |
| | 11 | 0.0 |

| | | |
|---|---|---|
| QM01 | B | 0.1 |
| | C | 0.0 |
| | E | 0.0 |
| QM02 | -- | -- |
| | C | 1.2 |
| | E | 1.5 |
| QM03 | B | 0.0 |
| | C | 0.0 |
| | E | 0.0 |
| QM04 | B | 0.0 |
| | C | 0.0 |
| | E | 0.0 |
| QM05 | B | 0.0 |
| | C | 0.8 |
| | E | 0.0 |

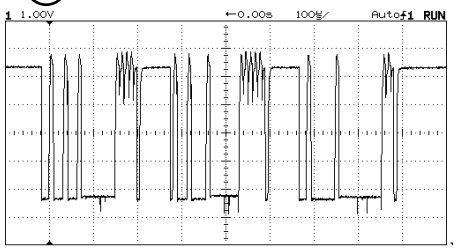
# WAVEFORMS AT EACH SECTION

Numbers inside circle correspond to locations shown in the circuit diagram.

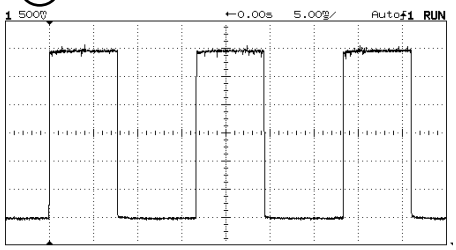
(1) I001 Pin 1



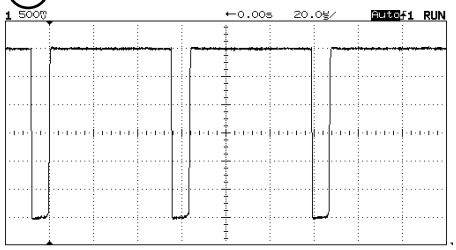

(2) I001 Pin 2



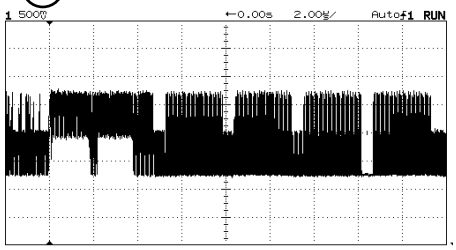

(3) I001 Pin 23



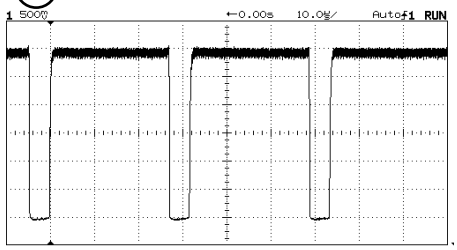

(4) I001 Pin 24



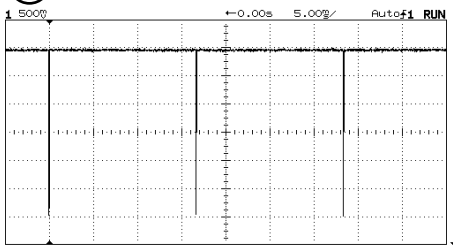

(5) I001 Pin 38



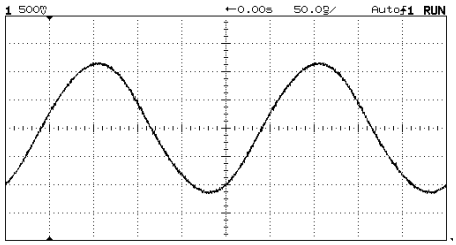

(6) I001 Pin 49



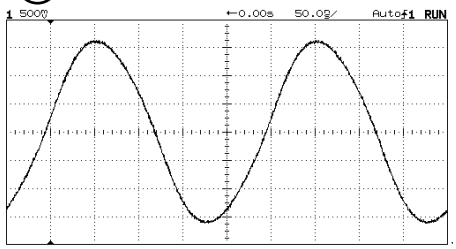

(7) I001 Pin 55



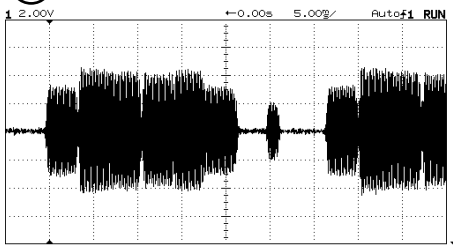

(8) I001 Pin 62



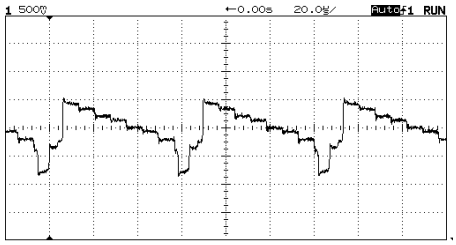

(9) I001 Pin 63



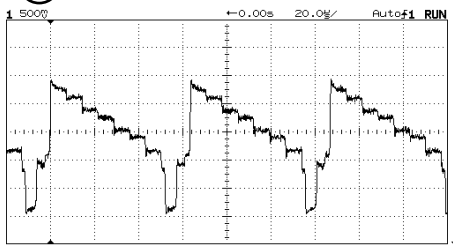

(10) I403 Pin 6




(11) I403 Pin 8



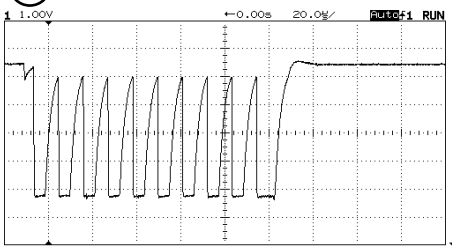

(12) I403 Pin 40



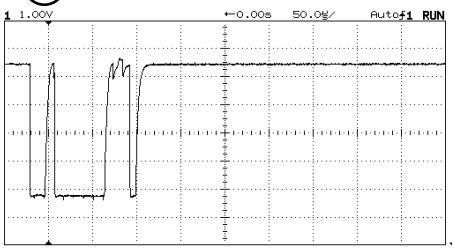
# WAVEFORMS AT EACH SECTION

Numbers inside circle correspond to locations shown in the circuit diagram.

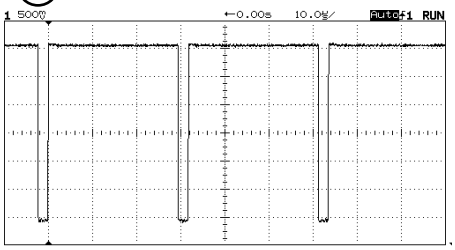
(13) PSD2 Pin 1



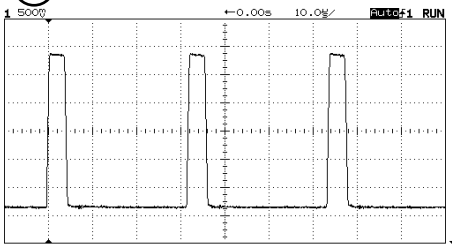

(14) PSD2 Pin 2



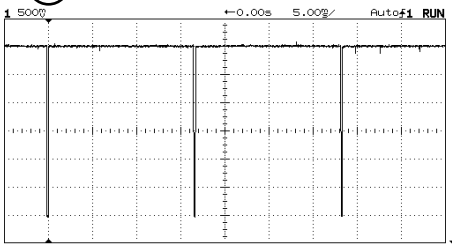

(15) PSD3 Pin 4



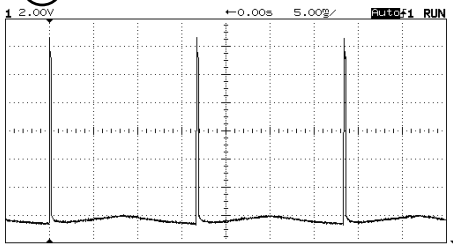

(16) PSD3 Pin 6



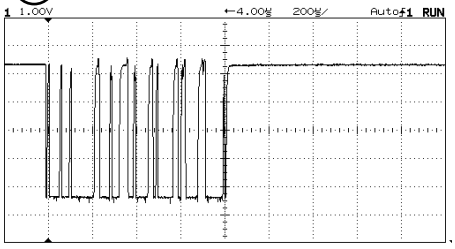

(17) PSD3 Pin 8



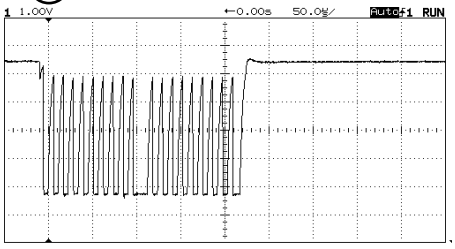

(18) PSD3 Pin 10



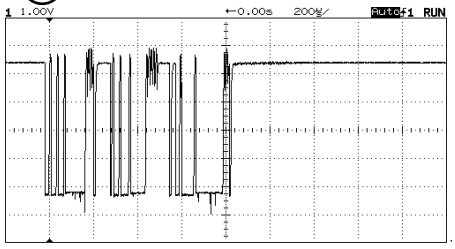

(19) PST1 Pin 1



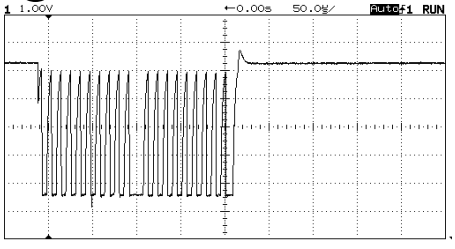

(20) PST1 Pin 2



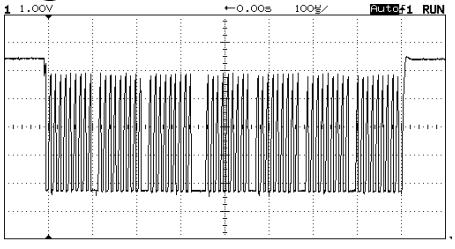

(21) PST1 Pin 5



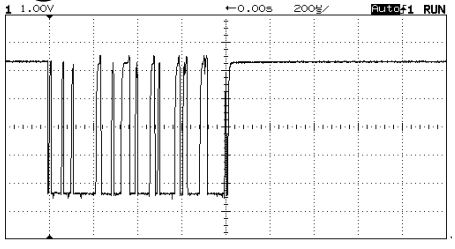

(22) PST1 Pin 6




(23) PSU1 Pin 1



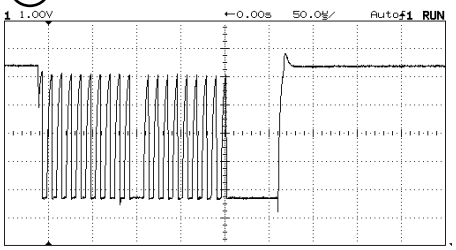

(24) PSU1 Pin 2



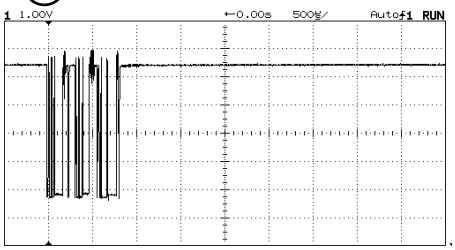
# WAVEFORMS AT EACH SECTION

Numbers inside circle correspond to locations shown in the circuit diagram.

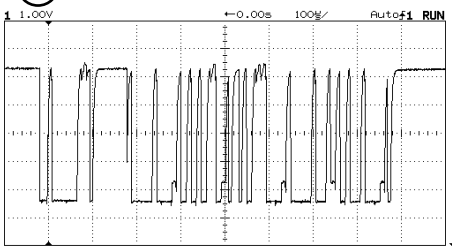
(25) PSU1 Pin 3



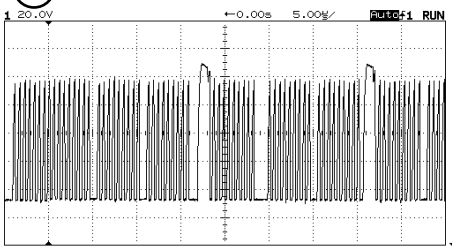

(26) PSU1 Pin 4



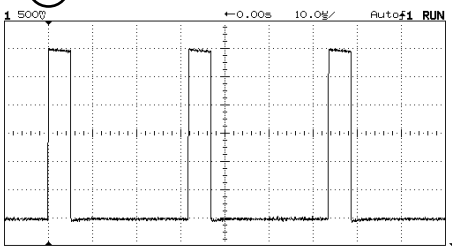

(27) PSZ2 Pin 1



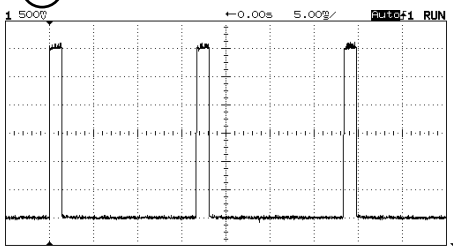

(28) PSZ2 Pin 2



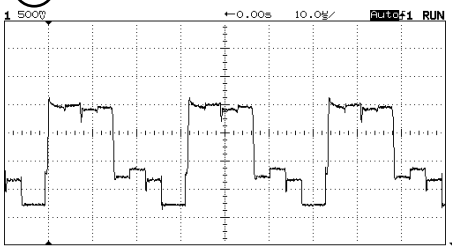

(29) PSZ2 Pin 12



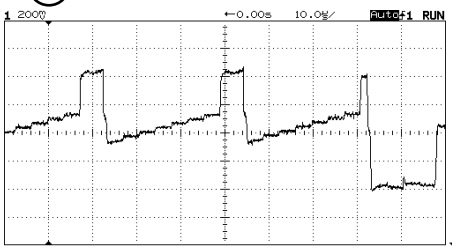

(30) PSZ2 Pin 13



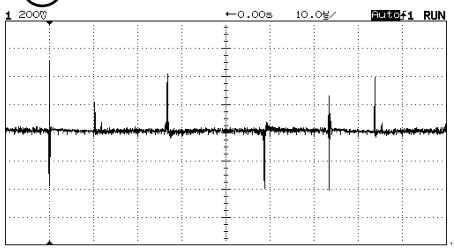

(31) Q851 E



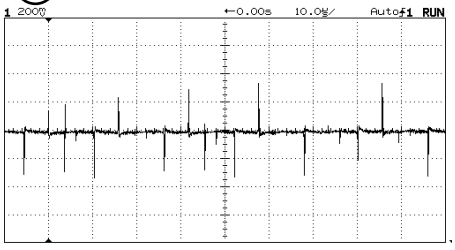

(32) Q852 E



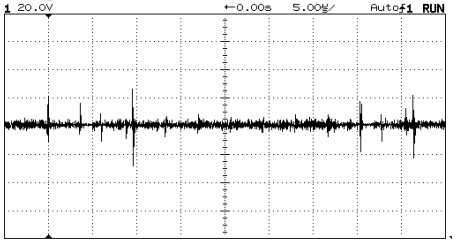

(33) QE04 E



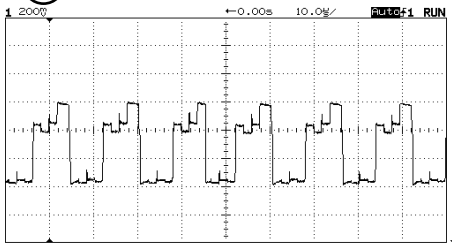

(34) QE07 E




(35) QE24 C



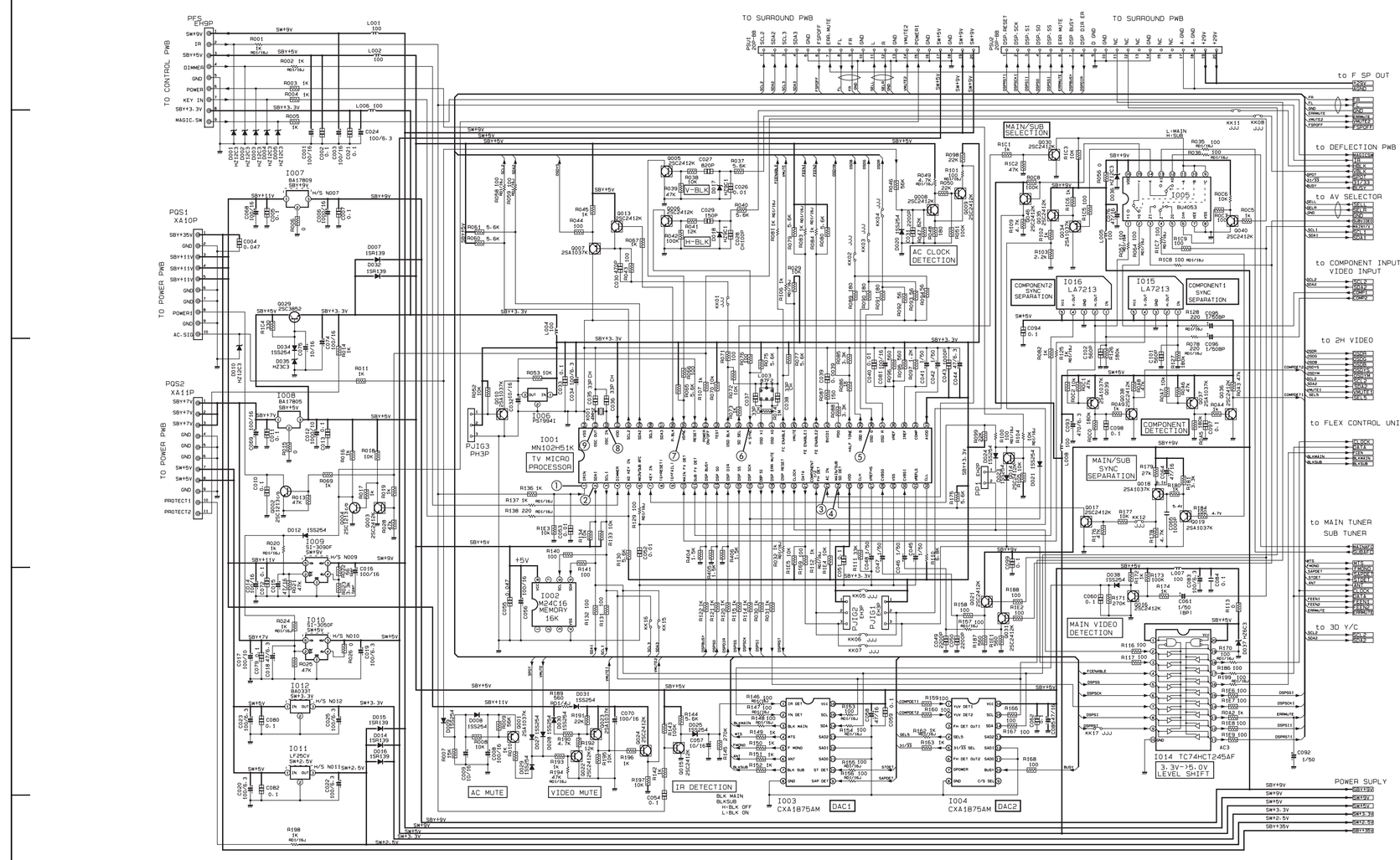

(36) R863 - R864



PRODUCT SAFETY NOTE: Components marked with a ⚠ and shaded have special characteristics important to safety. Before replacing any of these components, read carefully the PRODUCT SAFETY NOTICE of this Service Manual. Don't degrade the safety of the receiver through improper servicing.

# BASIC CIRCUIT DIAGRAM

SIGNAL 1/3




- All DC voltage to be measured with a tester (100kΩ/V). Voltage taken on a complex color bar signal including a standard color bar signal.
- Since this is a basic circuit diagram, the value of the parts is subject to be altered for improvement.

SIGNAL 1/3

HOME

# BASIC CIRCUIT DIAGRAM

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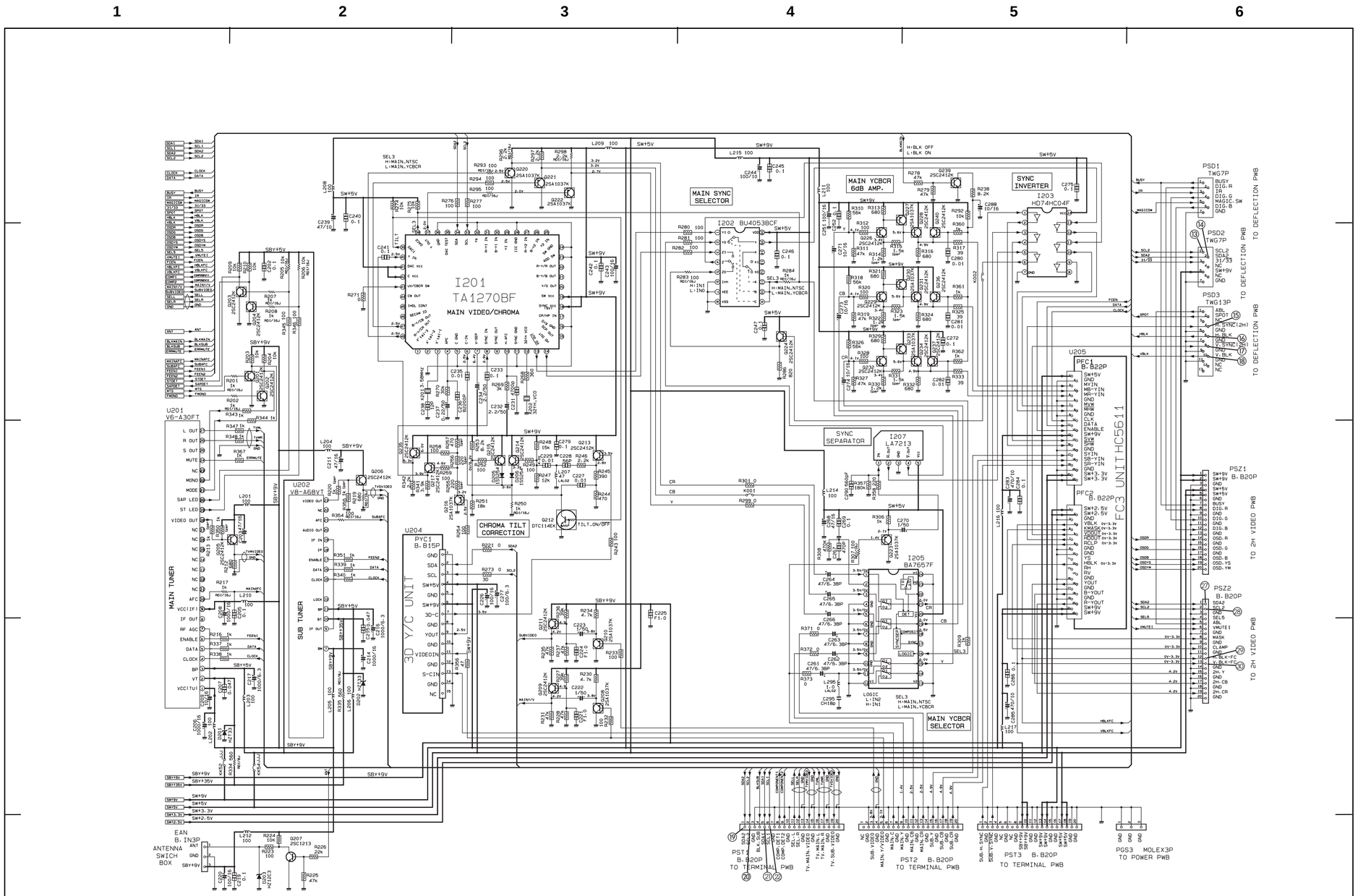


- All DC voltage to be measured with a tester (100kΩ/V). Voltage taken on a complex color bar signal including a standard color bar signal.
- Since this is a basic circuit diagram, the value of the parts is subject to be altered for improvement.

SIGNAL 2/3

HOME

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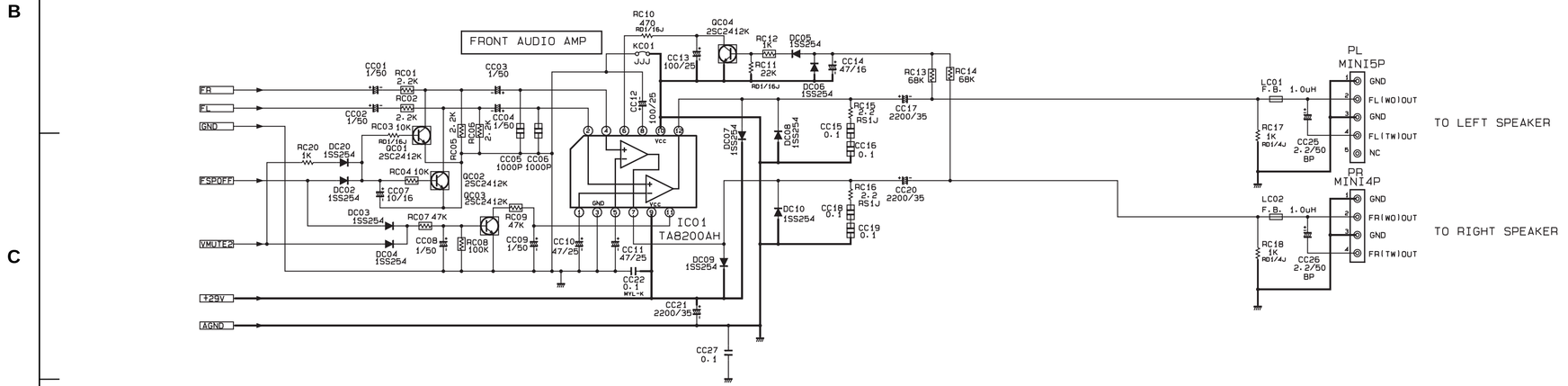
# BASIC CIRCUIT DIAGRAM






- All DC voltage to be measured with a tester (100kΩ/V). Voltage taken on a complex color bar signal including a standard color bar signal.
- Since this is a basic circuit diagram, the value of the parts is subject to be altered for improvement.

SIGNAL 3/3

HOME

# BASIC CIRCUIT DIAGRAM

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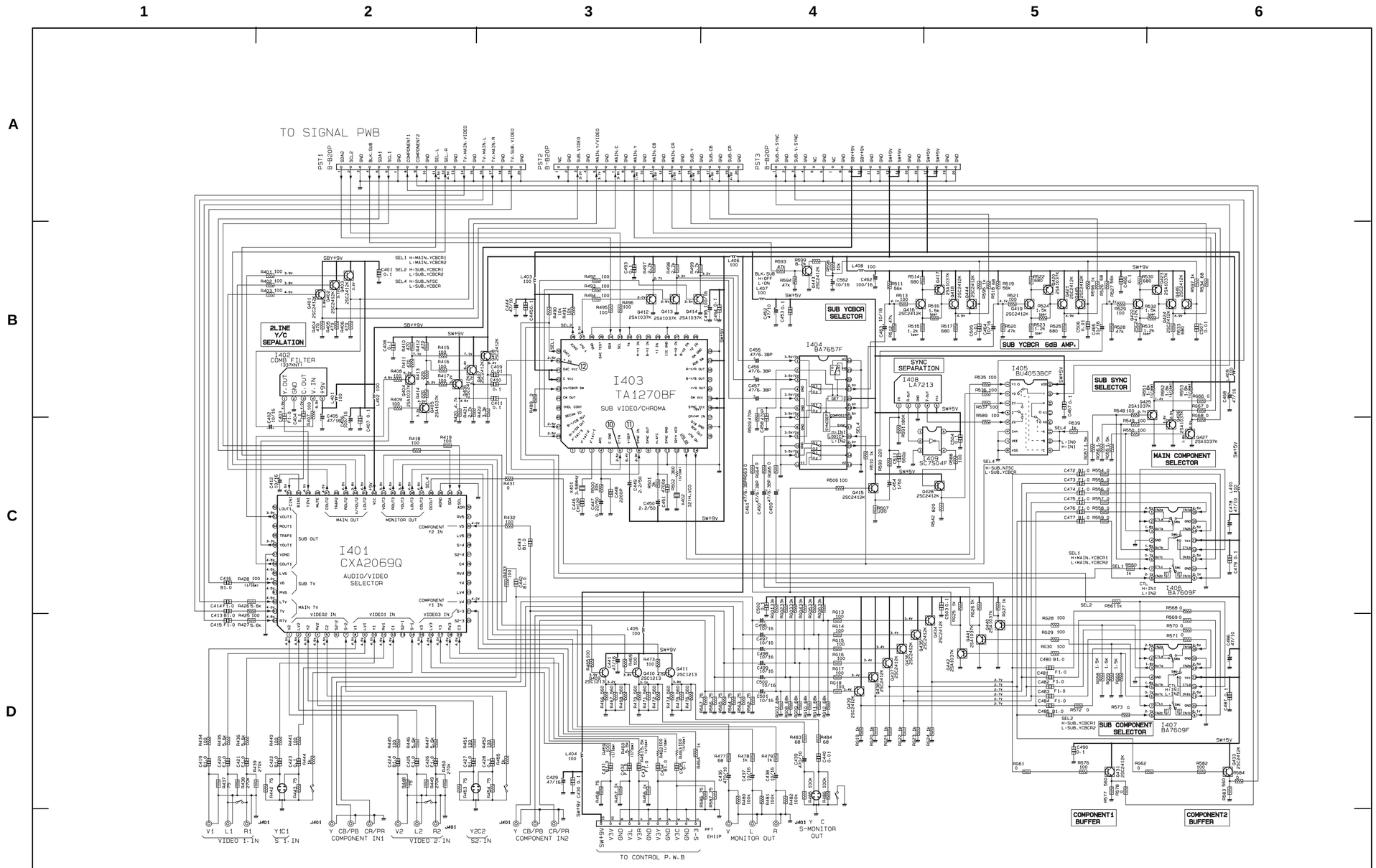


- All DC voltage to be measured with a tester (100kΩ/V). Voltage taken on a complex color bar signal including a standard color bar signal.
- Since this is a basic circuit diagram, the value of the parts is subject to be altered for improvement.

TERMINAL

HOME

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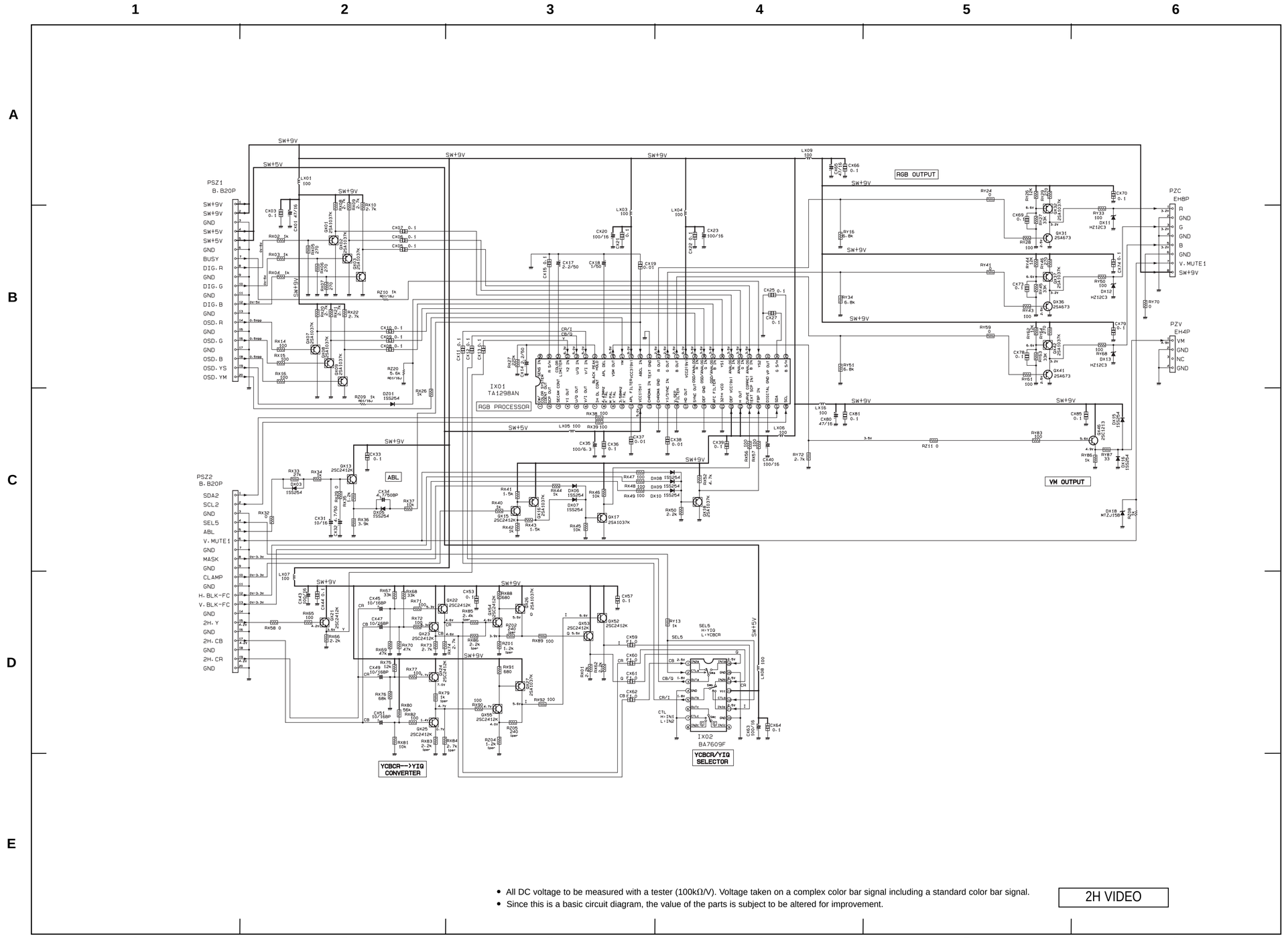
# BASIC CIRCUIT DIAGRAM





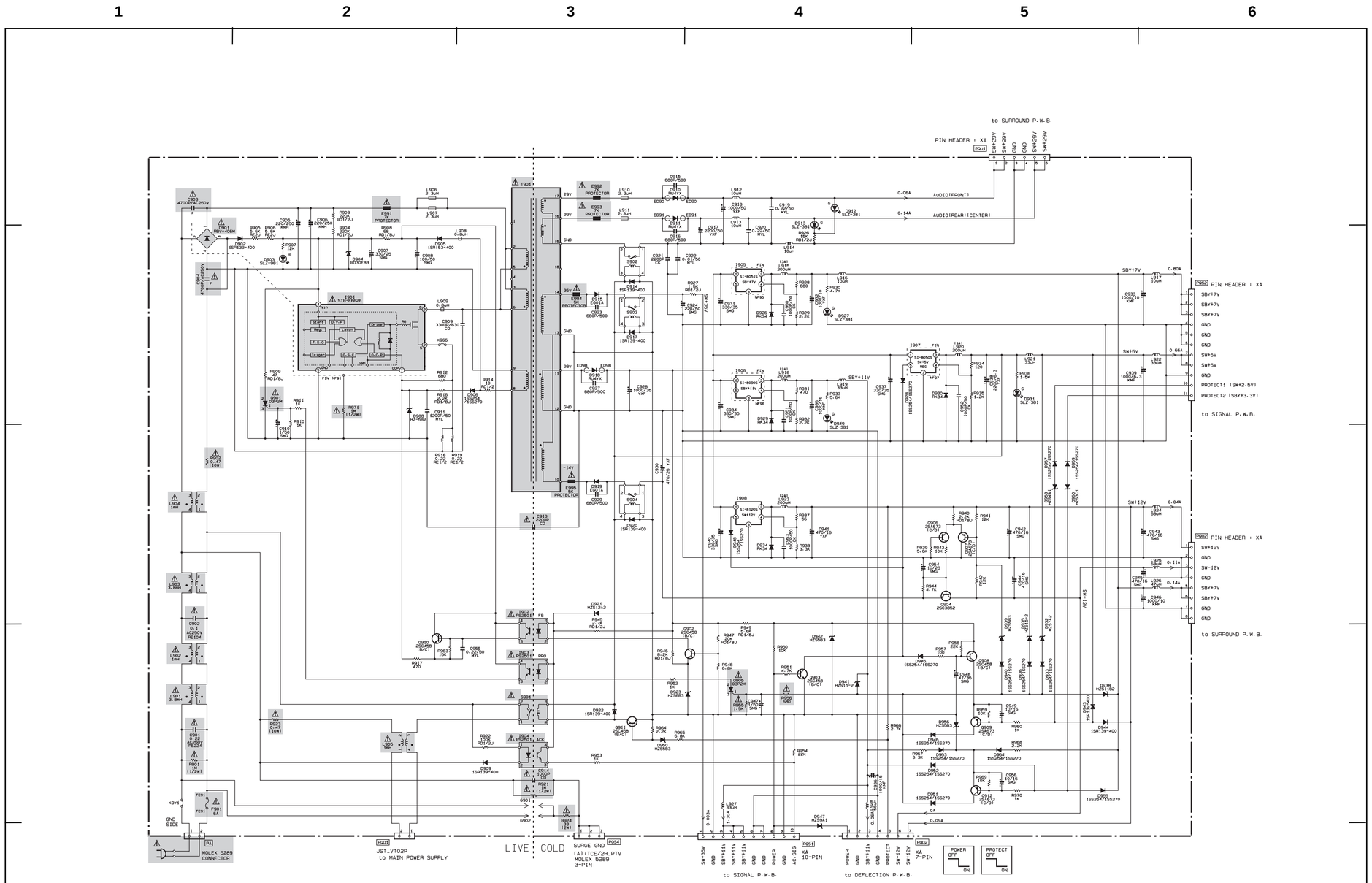

- All DC voltage to be measured with a tester (100kΩ/V). Voltage taken on a complex color bar signal including a standard color bar signal.
- Since this is a basic circuit diagram, the value of the parts is subject to be altered for improvement.

2H VIDEO

HOME

# BASIC CIRCUIT DIAGRAM

PRODUCT SAFETY NOTE: Components marked with a ⚠ and shaded have special characteristics important to safety. Before replacing any of these components, read carefully the PRODUCT SAFETY NOTICE of this Service Manual. Don't degrade the safety of the receiver through improper servicing.




- All DC voltage to be measured with a tester (100kΩ/V). Voltage taken on a complex color bar signal including a standard color bar signal.
- Since this is a basic circuit diagram, the value of the parts is subject to be altered for improvement.

POWER SUPPLY 1/2

HOME

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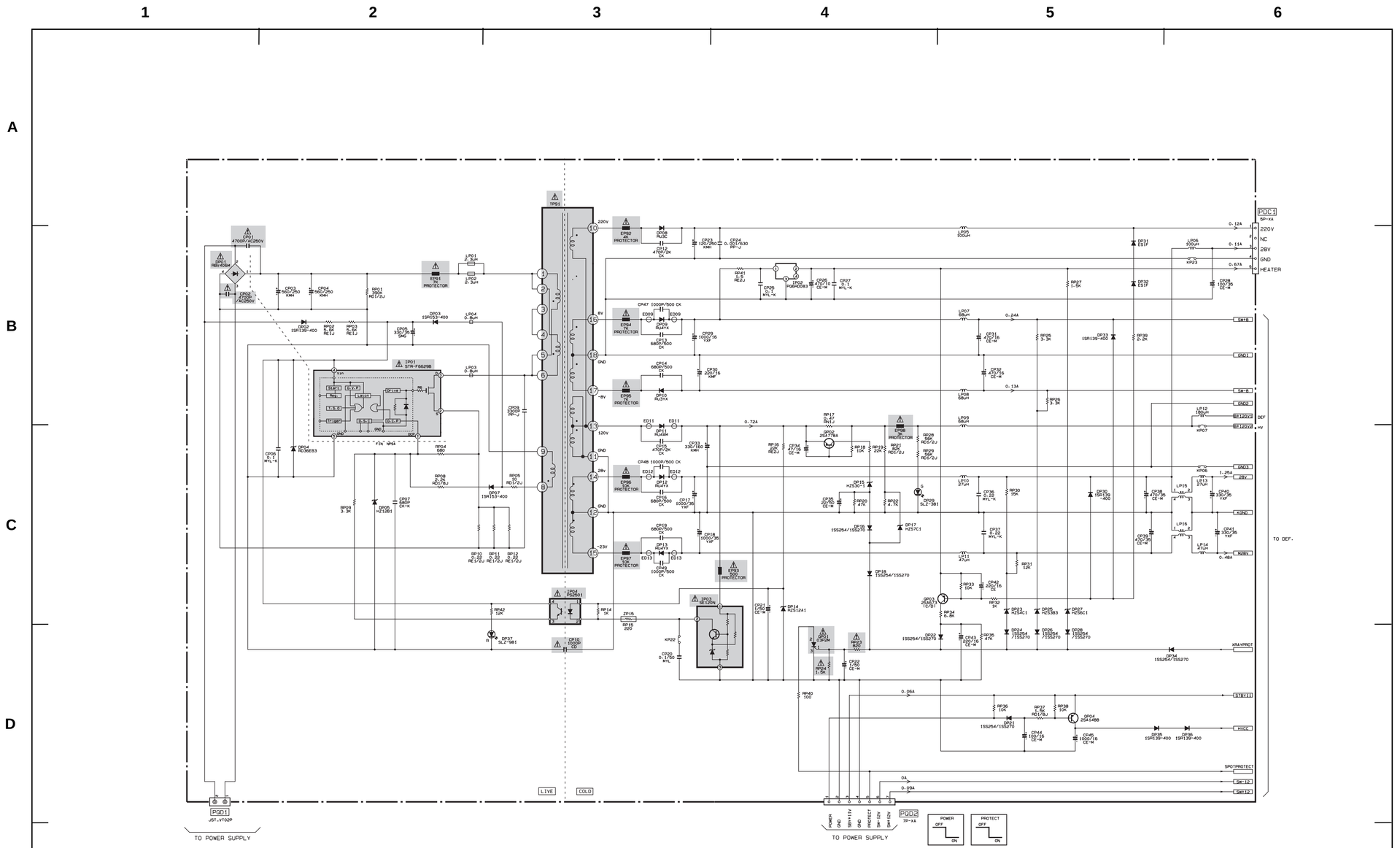
# BASIC CIRCUIT DIAGRAM






- All DC voltage to be measured with a tester (100kΩ/V). Voltage taken on a complex color bar signal including a standard color bar signal.
- Since this is a basic circuit diagram, the value of the parts is subject to be altered for improvement.

POWER SUPPLY 2/2

HOME

# BASIC CIRCUIT DIAGRAM

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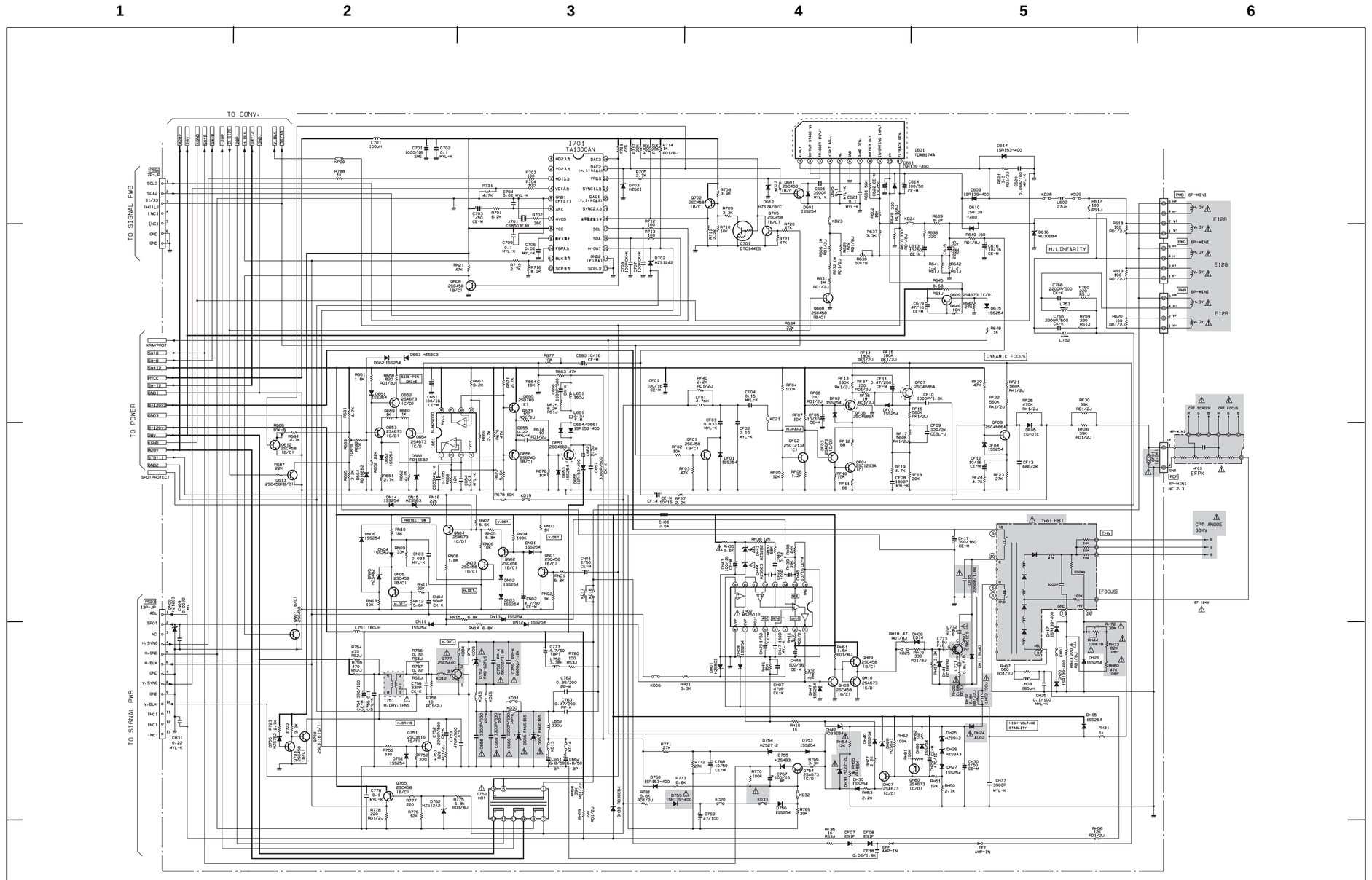


- All DC voltage to be measured with a tester (100kΩ/V). Voltage taken on a complex color bar signal including a standard color bar signal.
- Since this is a basic circuit diagram, the value of the parts is subject to be altered for improvement.

DEFLECTION

HOME

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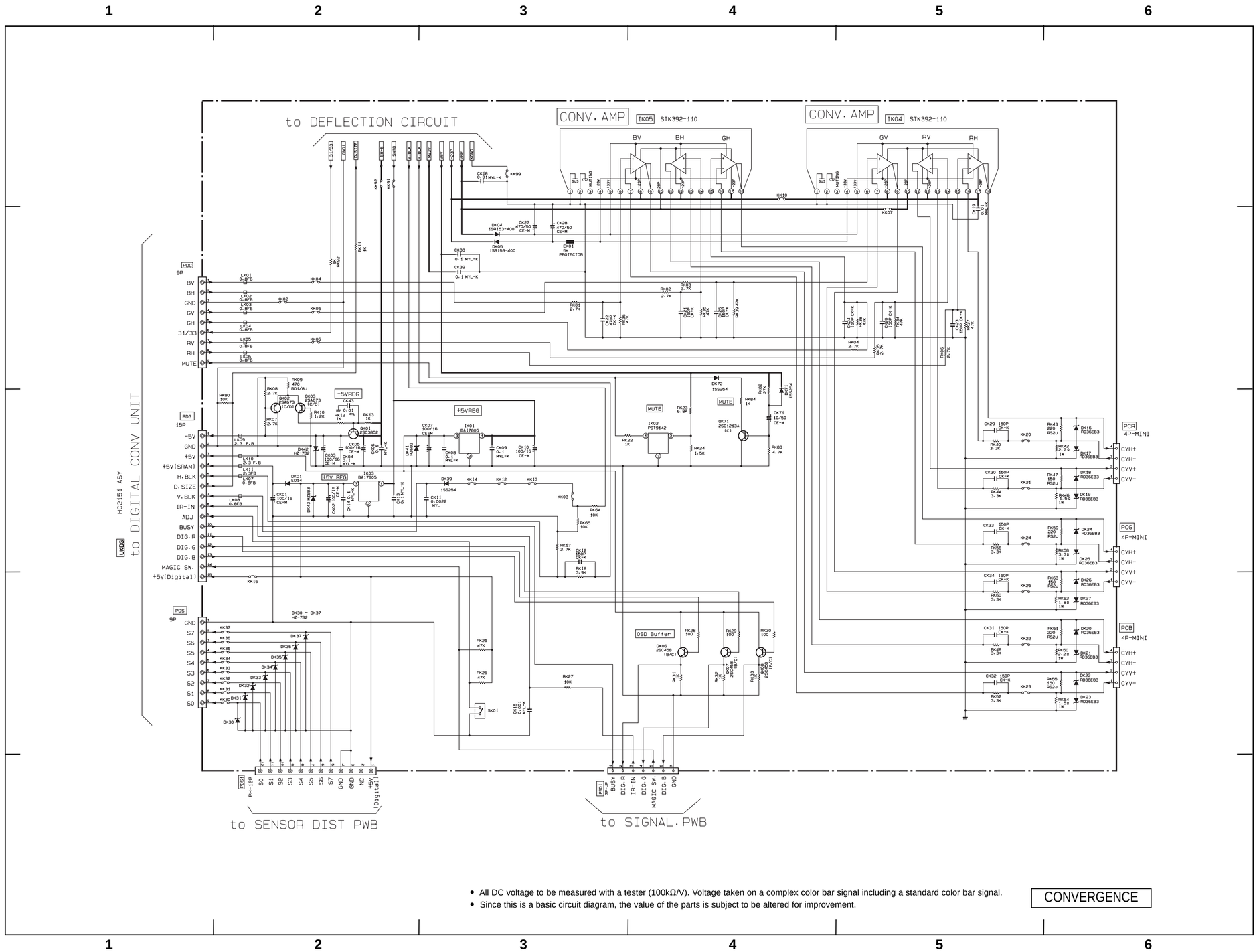
# BASIC CIRCUIT DIAGRAM






- All DC voltage to be measured with a tester (100kΩ/V). Voltage taken on a complex color bar signal including a standard color bar signal.
- Since this is a basic circuit diagram, the value of the parts is subject to be altered for improvement.

CONVERGENCE

HOME

# BASIC CIRCUIT DIAGRAM

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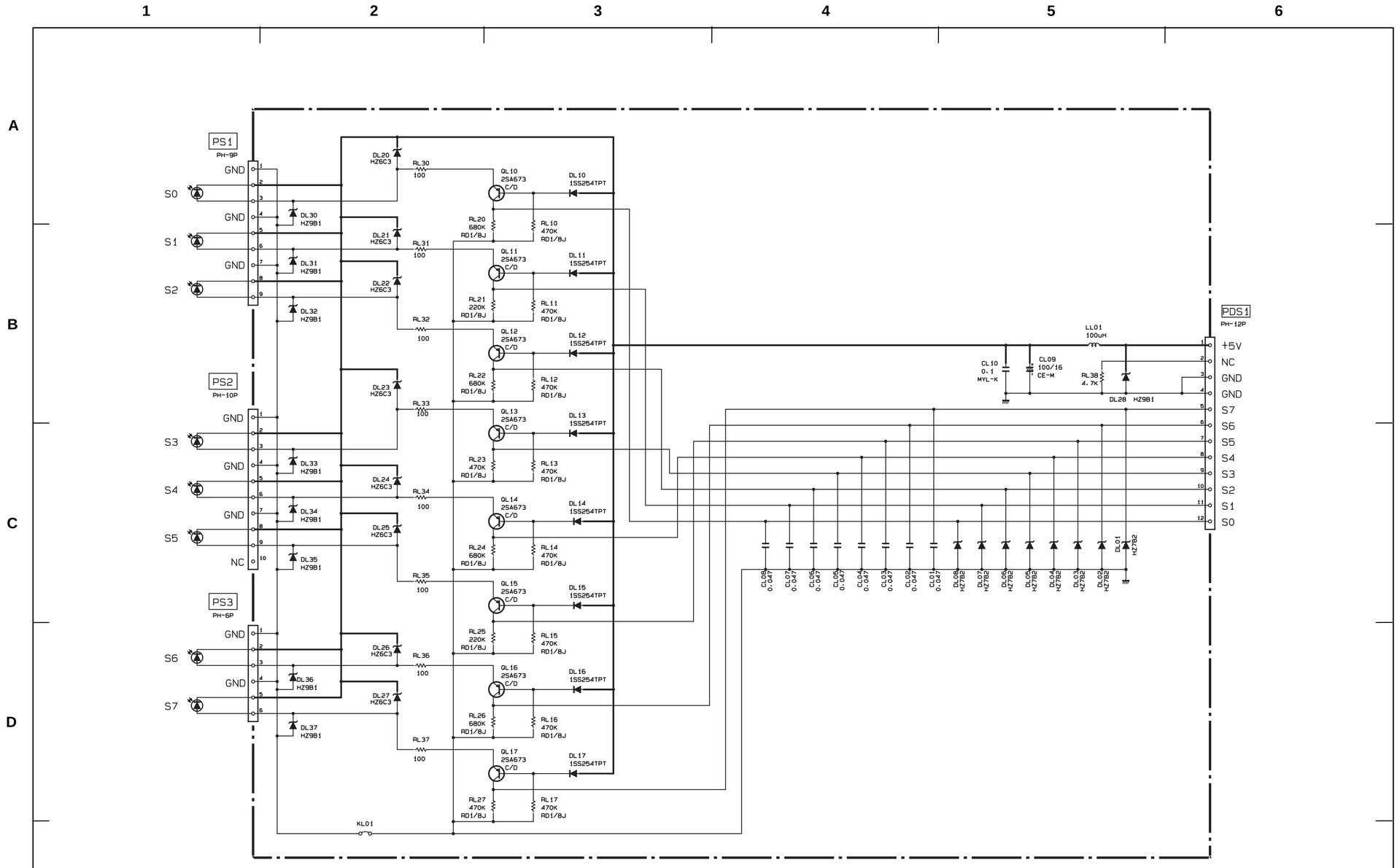


- All DC voltage to be measured with a tester (100kΩ/V). Voltage taken on a complex color bar signal including a standard color bar signal.
- Since this is a basic circuit diagram, the value of the parts is subject to be altered for improvement.

SENSOR

HOME

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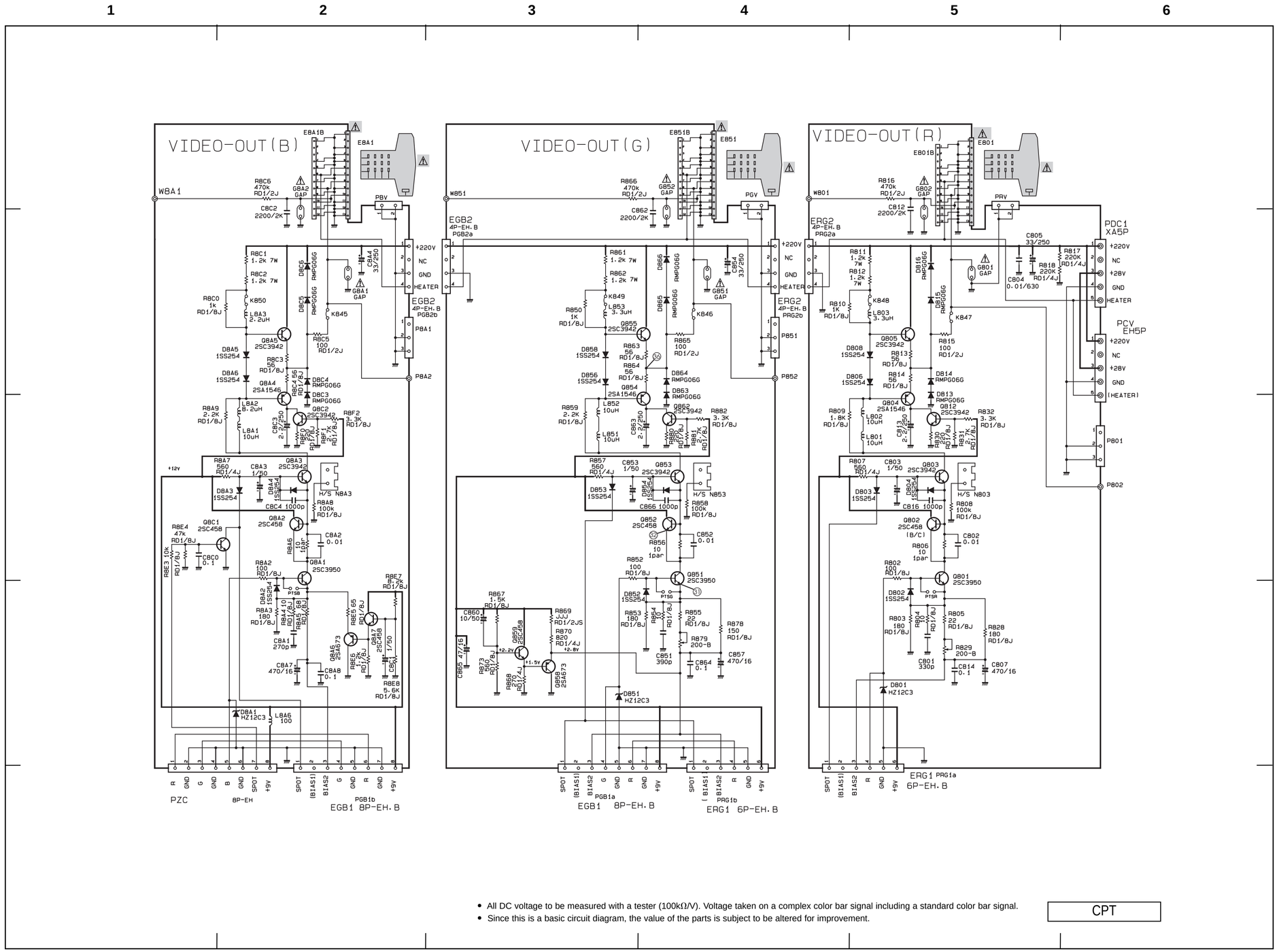
# BASIC CIRCUIT DIAGRAM

CPT




- All DC voltage to be measured with a tester (100kΩ/V). Voltage taken on a complex color bar signal including a standard color bar signal.
- Since this is a basic circuit diagram, the value of the parts is subject to be altered for improvement.

CPT

HOME

# BASIC CIRCUIT DIAGRAM

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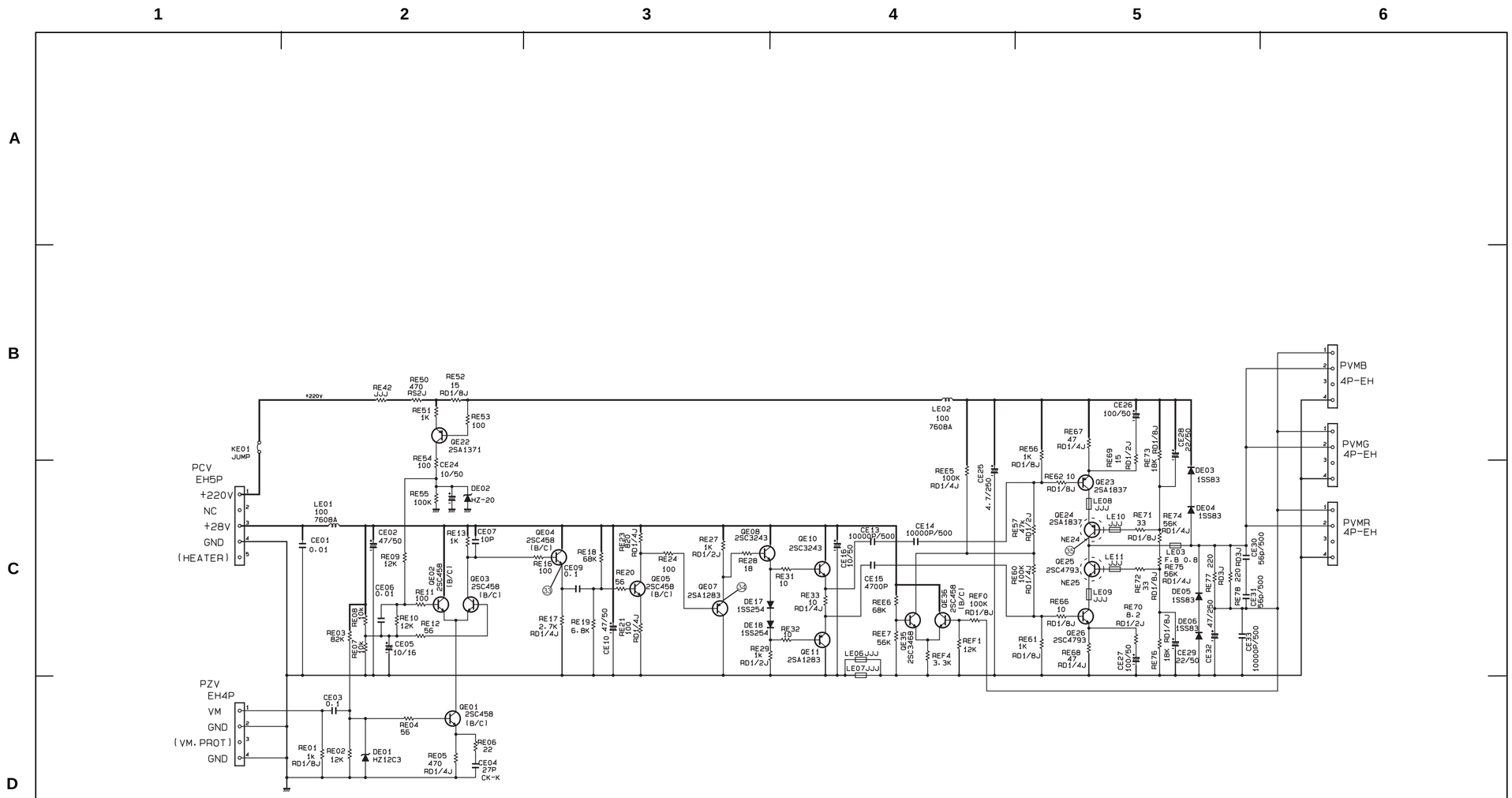


- All DC voltage to be measured with a tester (100kΩ/V). Voltage taken on a complex color bar signal including a standard color bar signal.
- Since this is a basic circuit diagram, the value of the parts is subject to be altered for improvement.

VM

HOME

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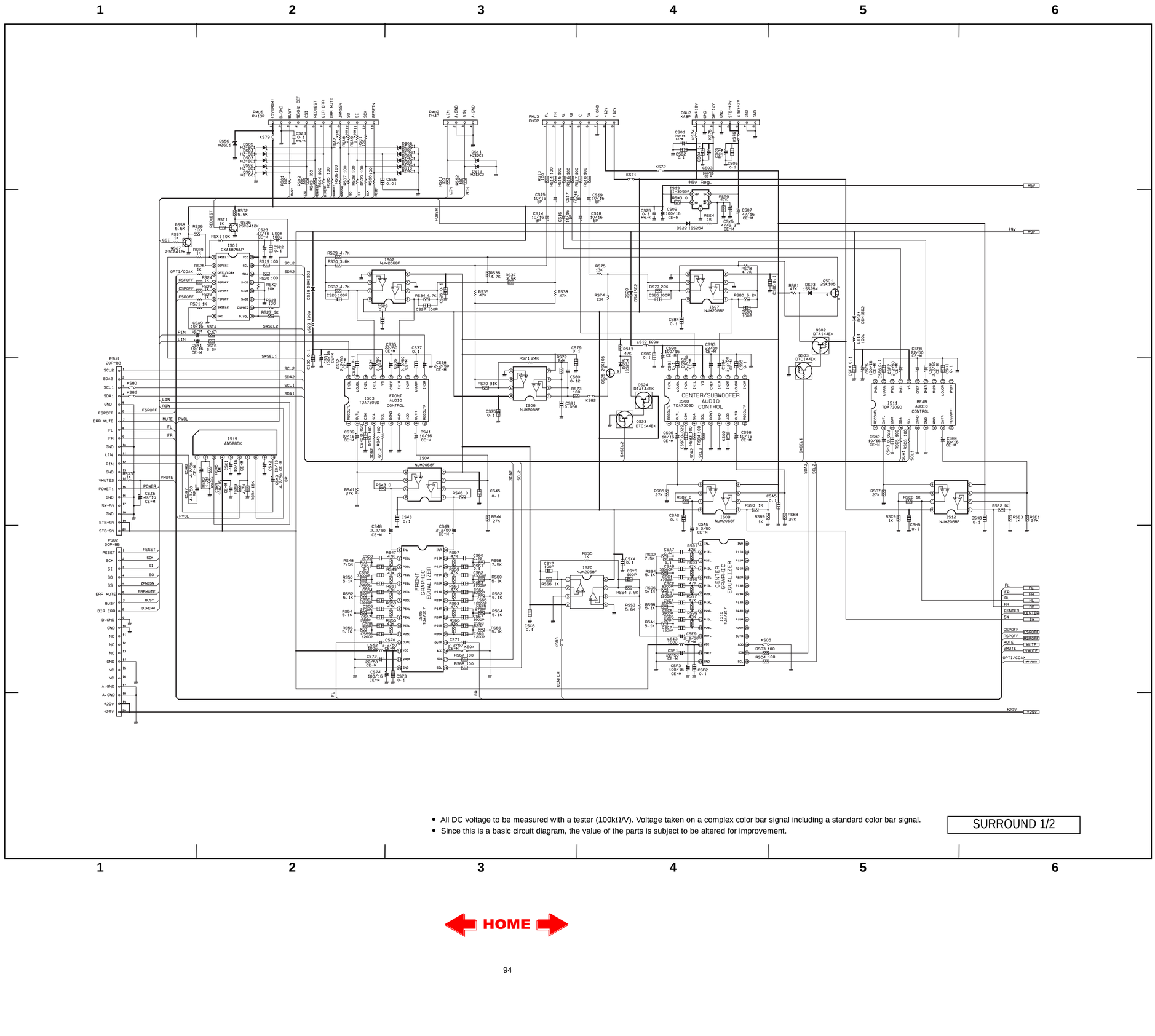
# BASIC CIRCUIT DIAGRAM

SURROUND 1/2




- All DC voltage to be measured with a tester (100kΩ/V). Voltage taken on a complex color bar signal including a standard color bar signal.
- Since this is a basic circuit diagram, the value of the parts is subject to be altered for improvement.

SURROUND 1/2

HOME

# BASIC CIRCUIT DIAGRAM

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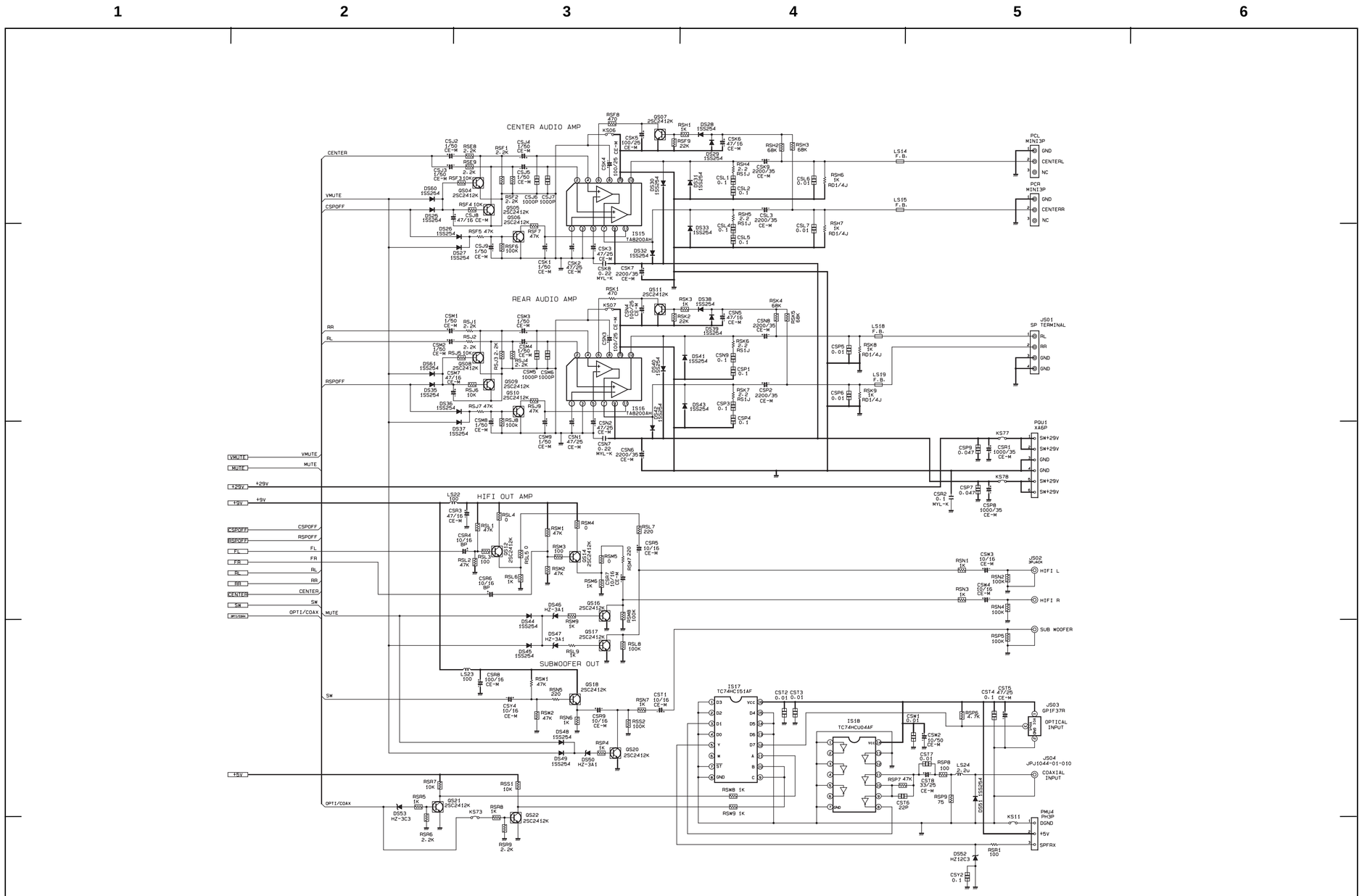


- All DC voltage to be measured with a tester (100kΩ/V). Voltage taken on a complex color bar signal including a standard color bar signal.
- Since this is a basic circuit diagram, the value of the parts is subject to be altered for improvement.

SURROUND 2/2

HOME

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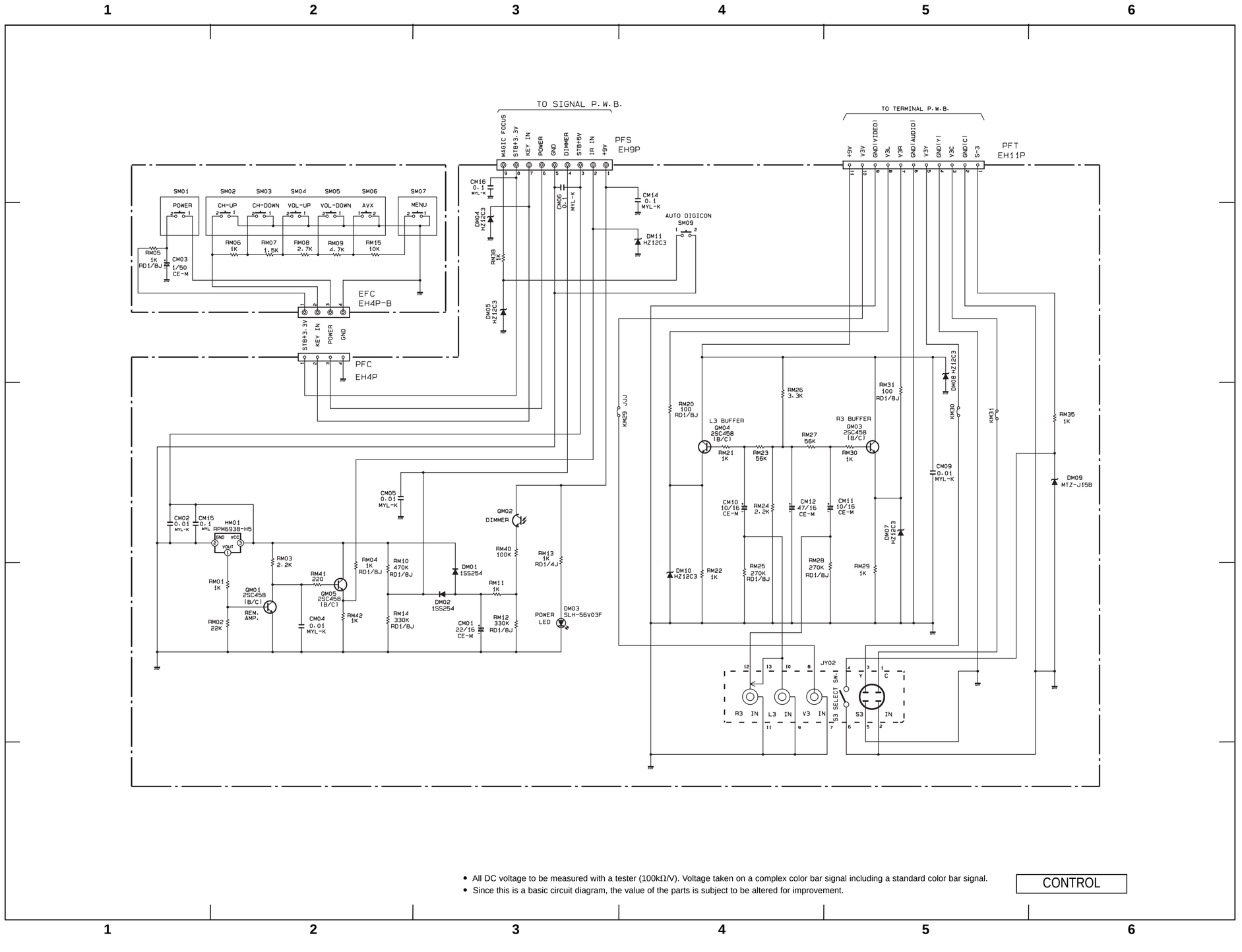
# BASIC CIRCUIT DIAGRAM





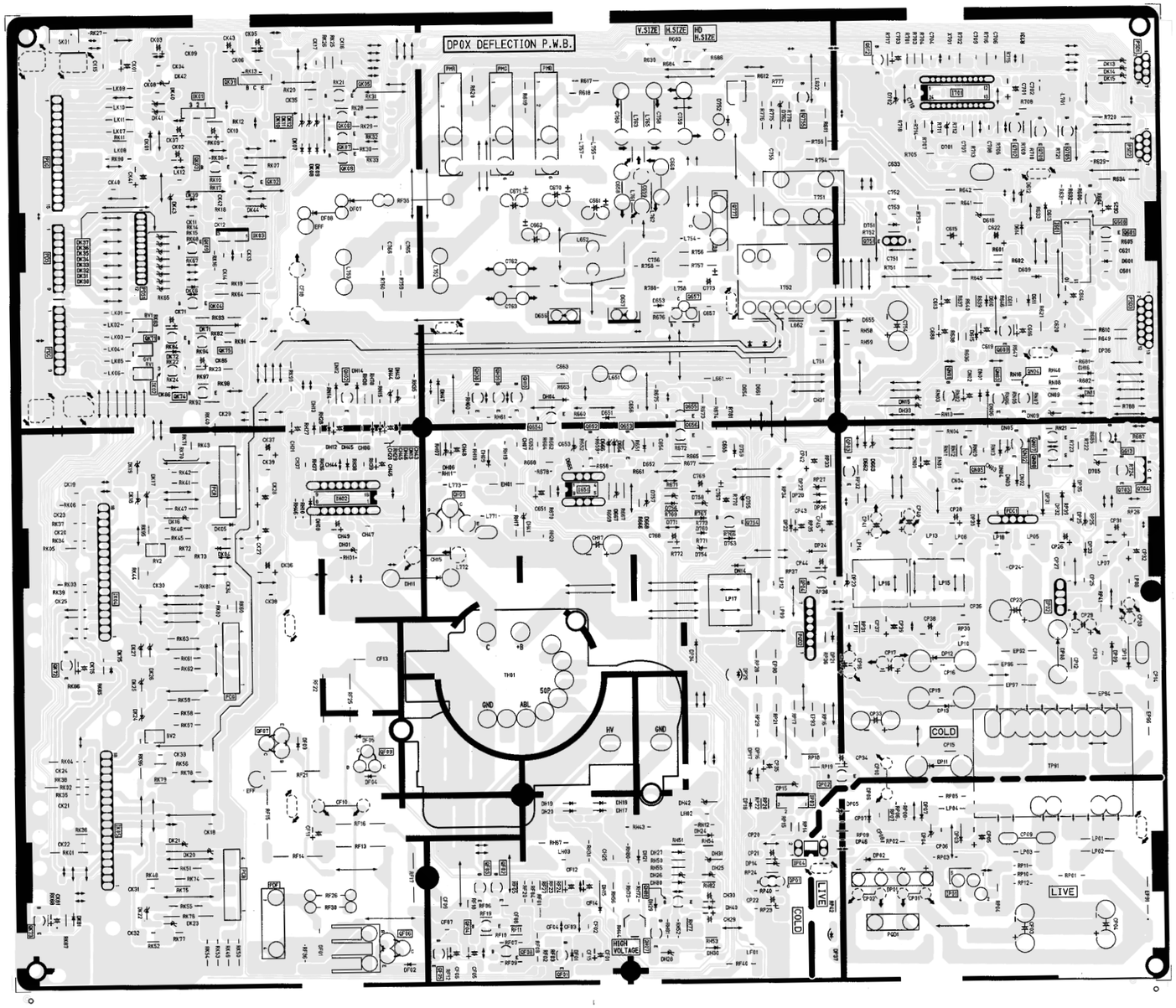

- All DC voltage to be measured with a tester (100kΩ/V). Voltage taken on a complex color bar signal including a standard color bar signal.
- Since this is a basic circuit diagram, the value of the parts is subject to be altered for improvement.

CONTROL

HOME

# PRINTED CIRCUIT BOARD

DEFLECTION P.W.B.

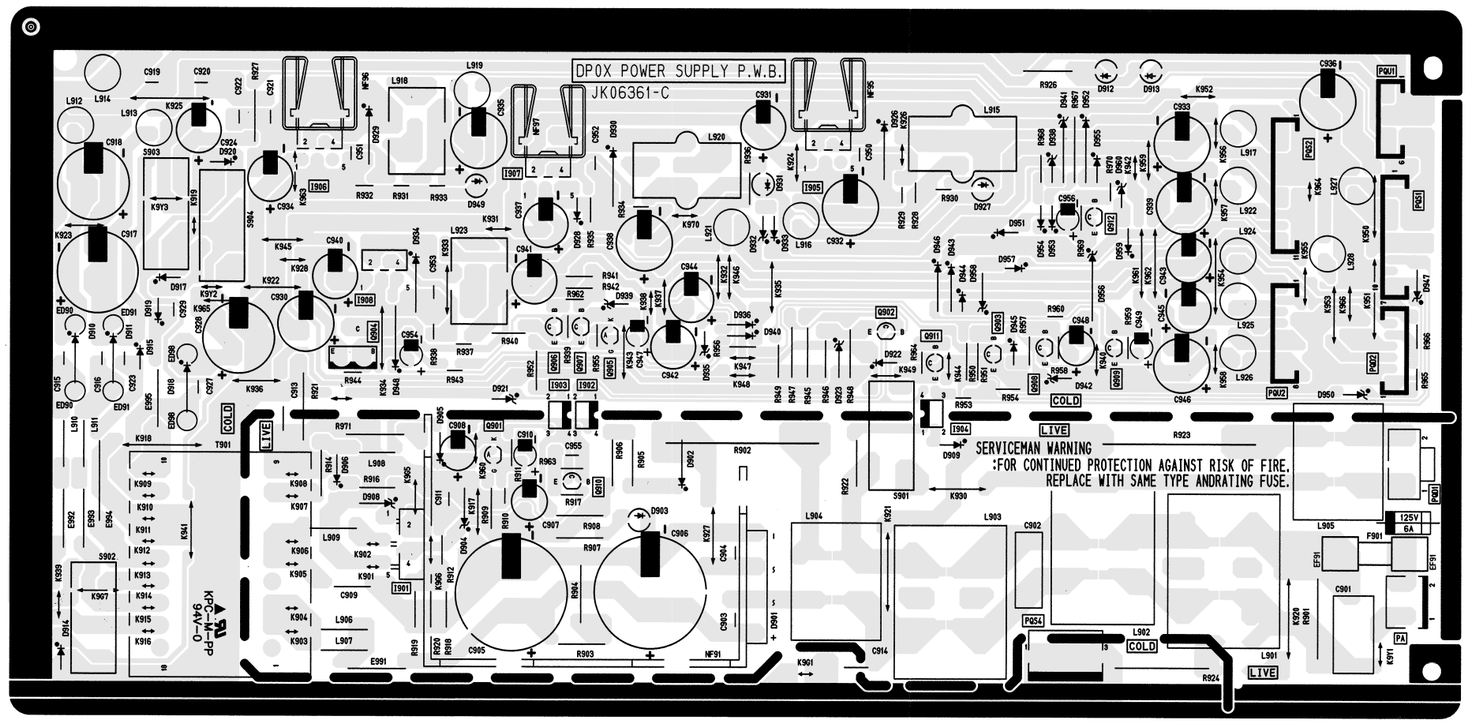





HOME

# PRINTED CIRCUIT BOARD

POWER SUPPLY P.W.B.

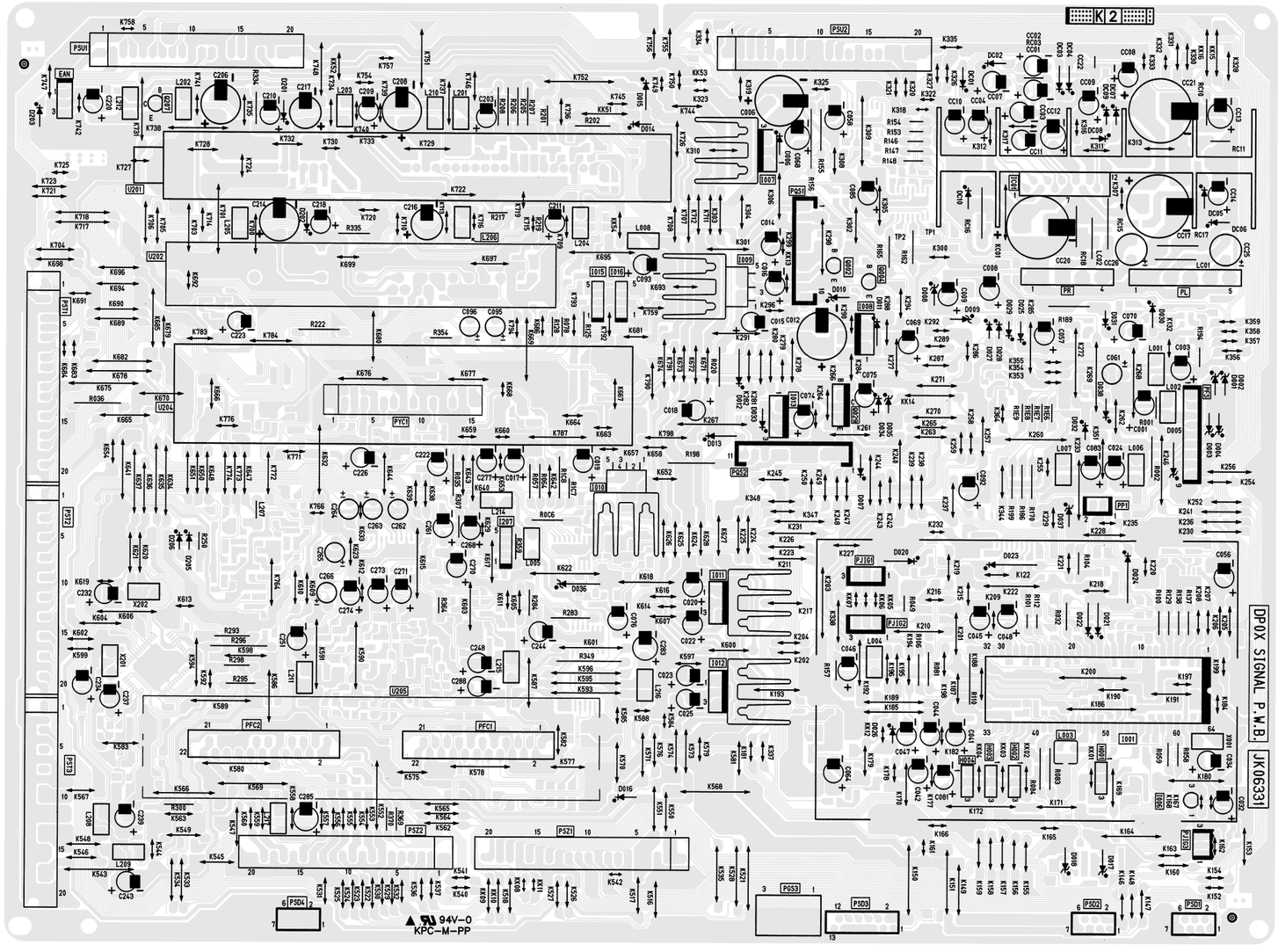





HOME

# PRINTED CIRCUIT BOARD

SIGNAL P.W.B.

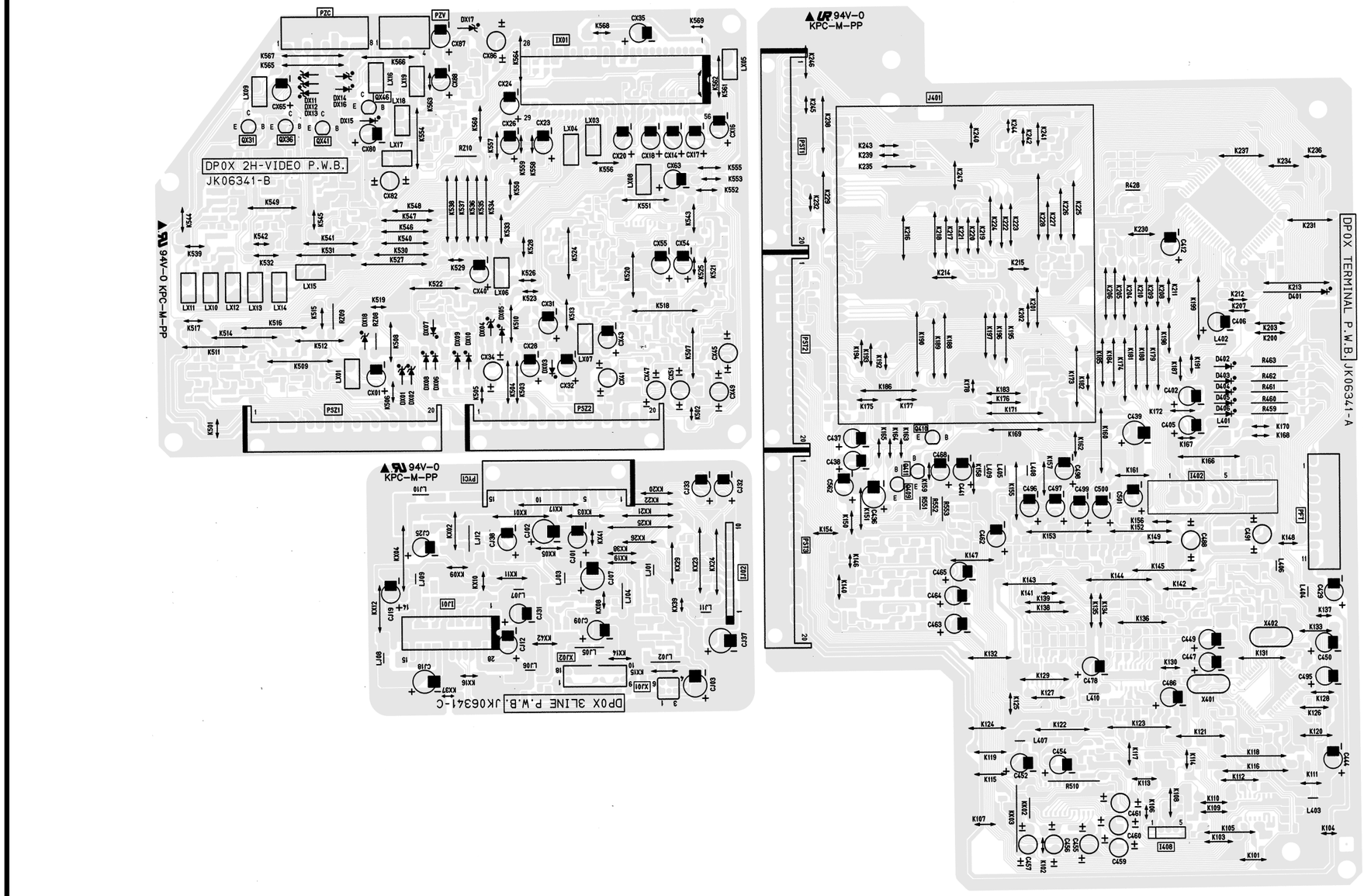





HOME

# PRINTED CIRCUIT BOARD

2H Video/Terminal P.W.B.

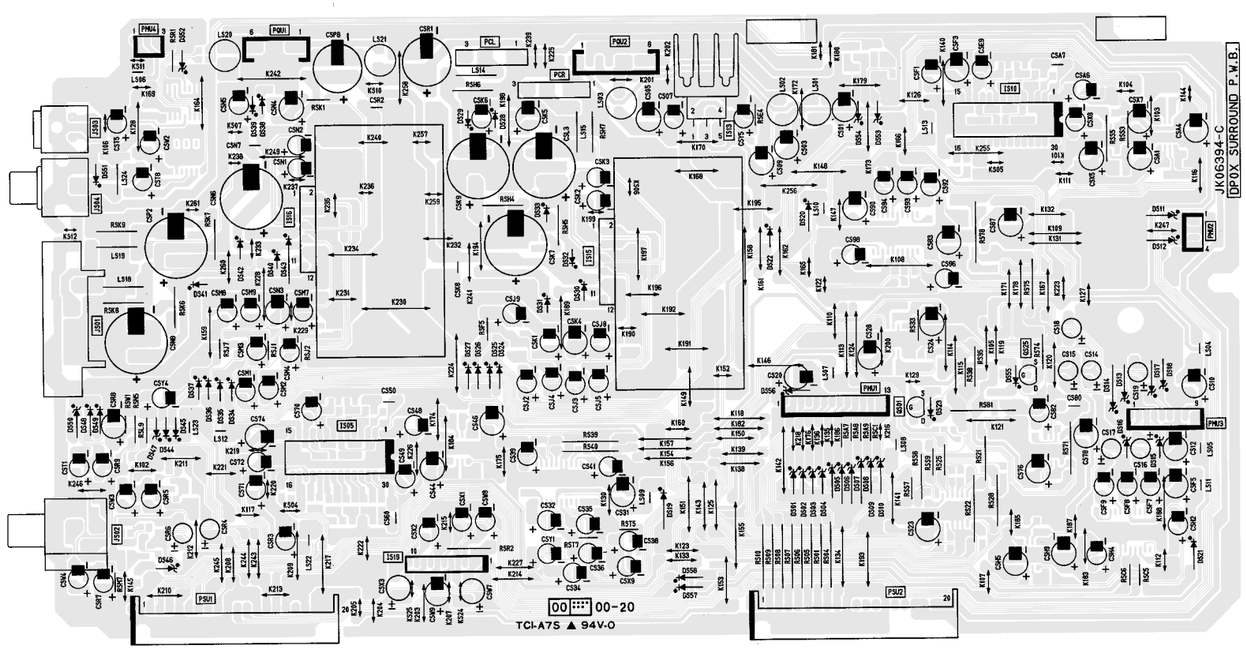


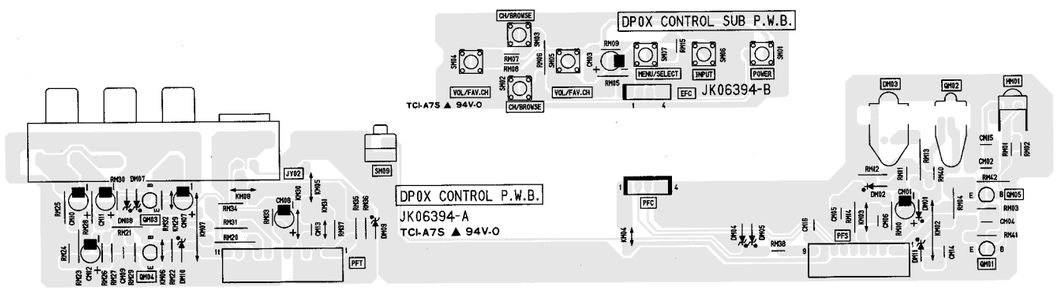



HOME

# PRINTED CIRCUIT BOARD

SURROUND P.W.B.



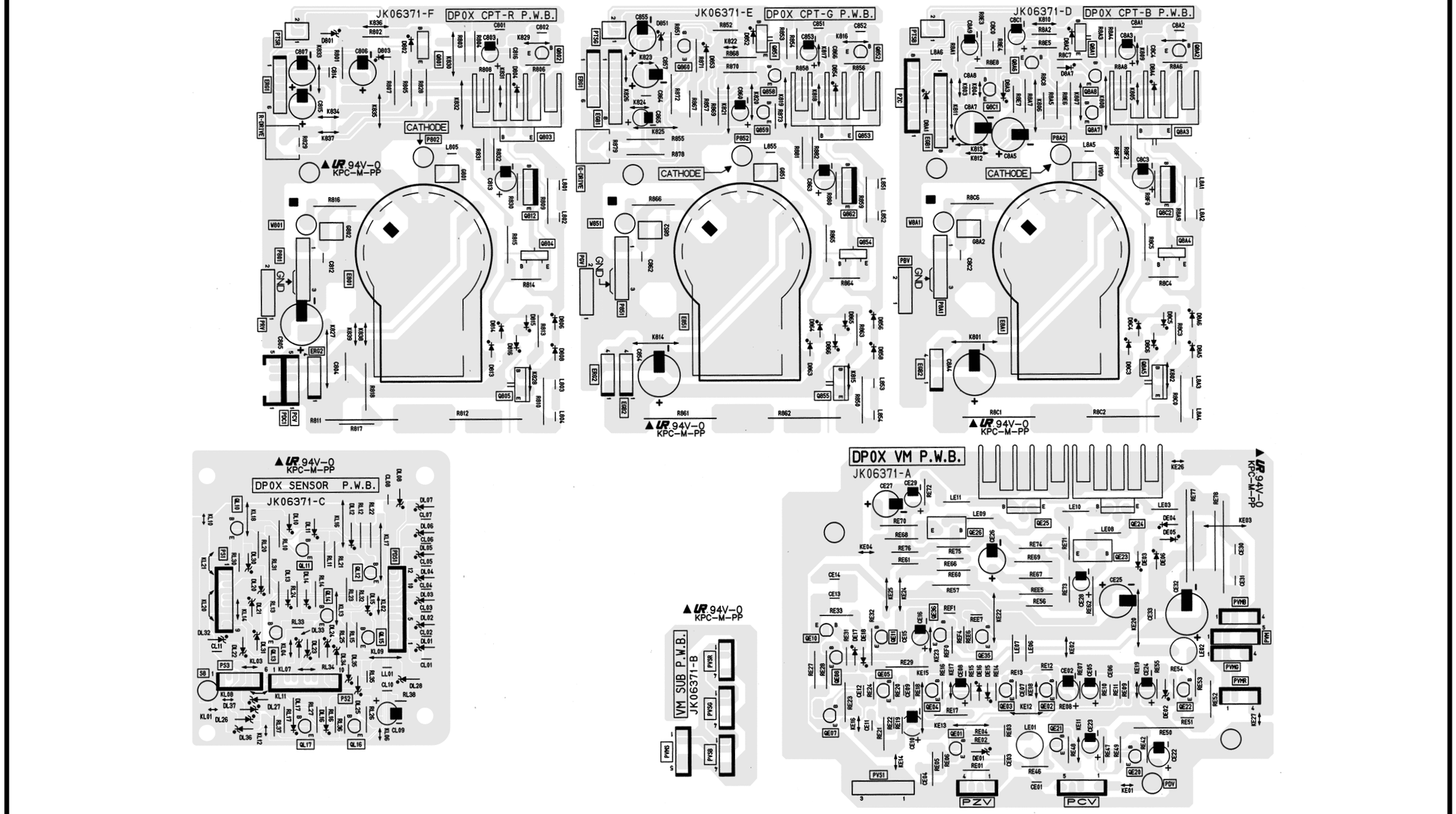






HOME

# PRINTED CIRCUIT BOARD

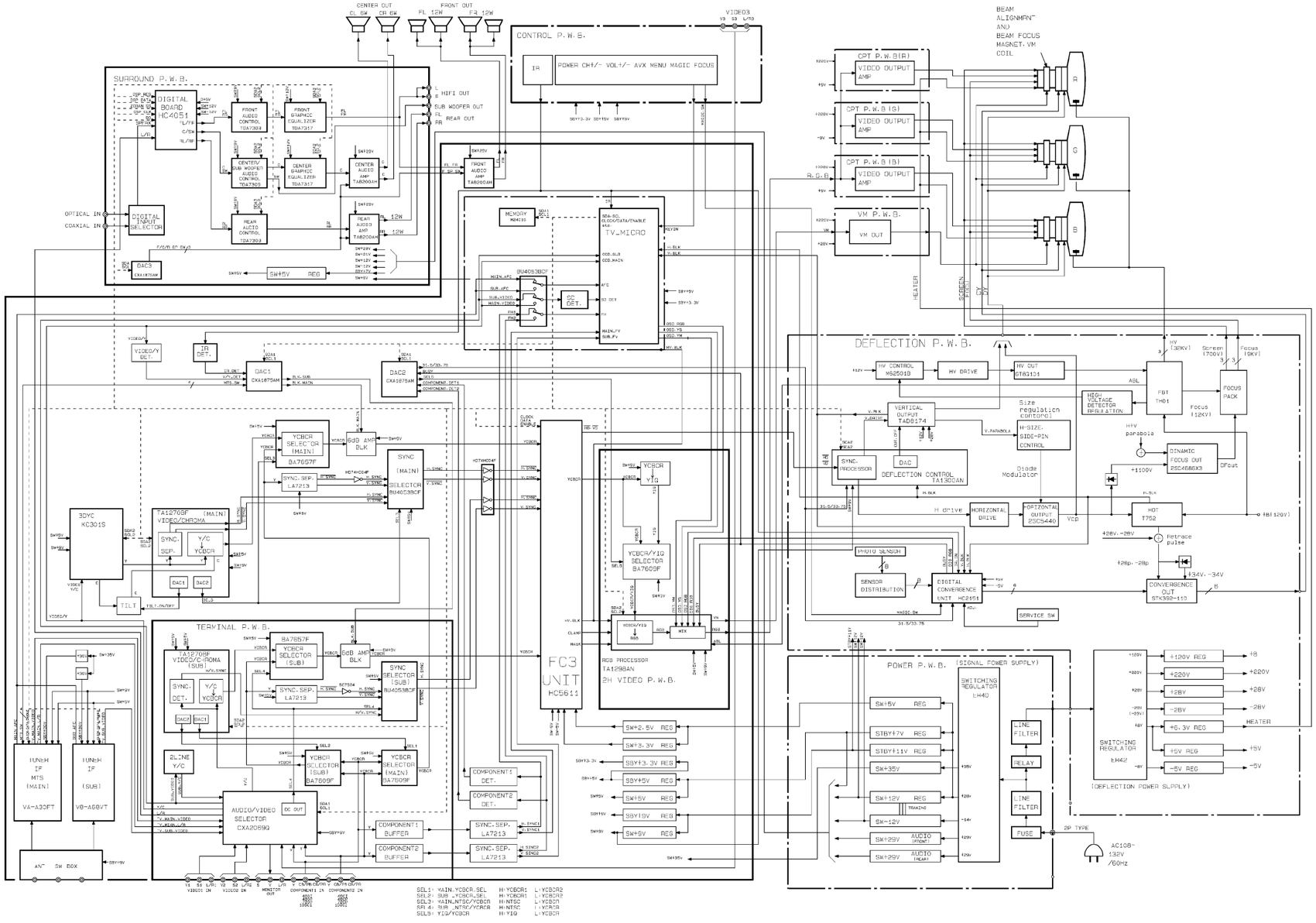
VM SENSOR 2






HOME

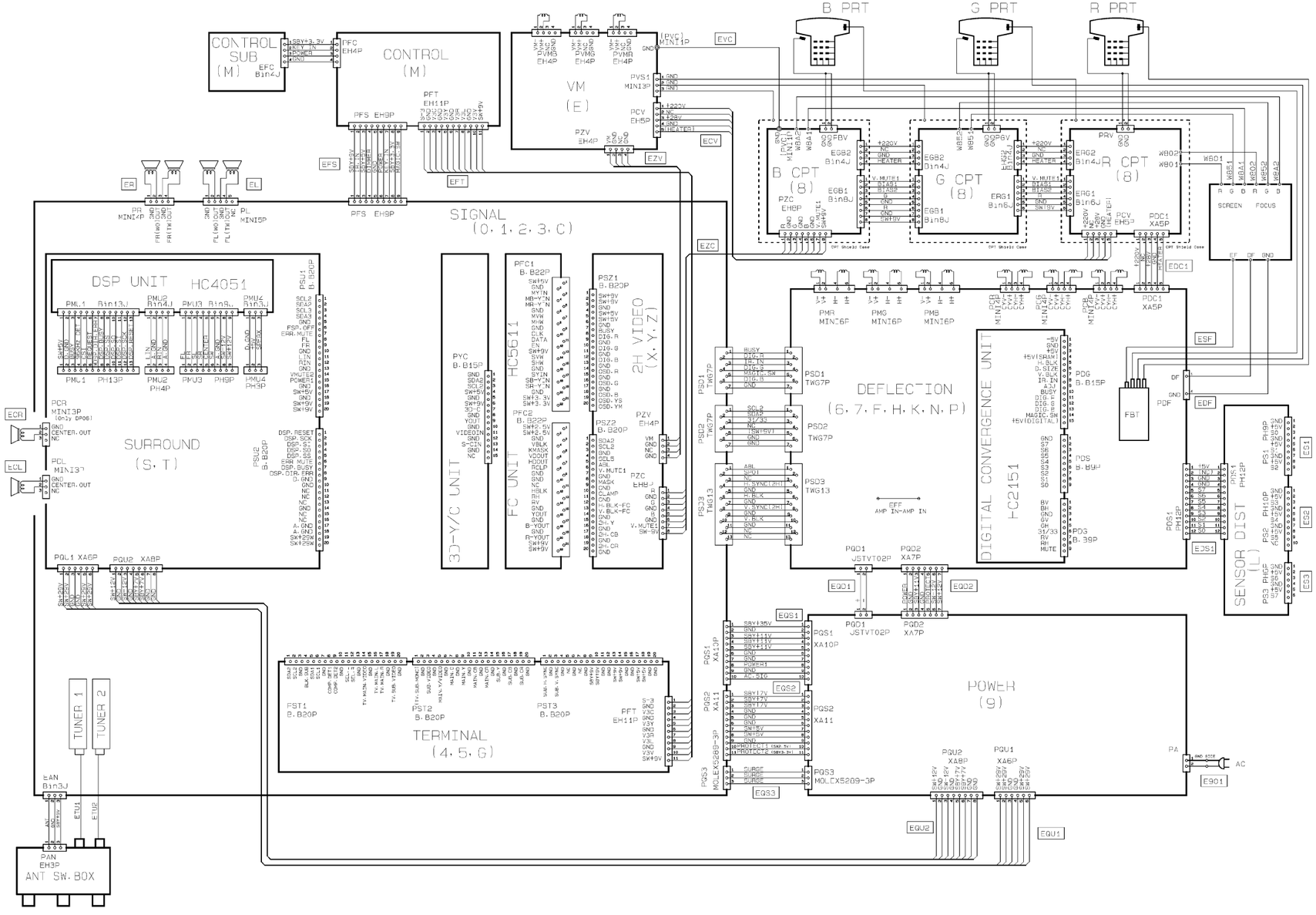
# DP06 BLOCK DIAGRAM






HOME

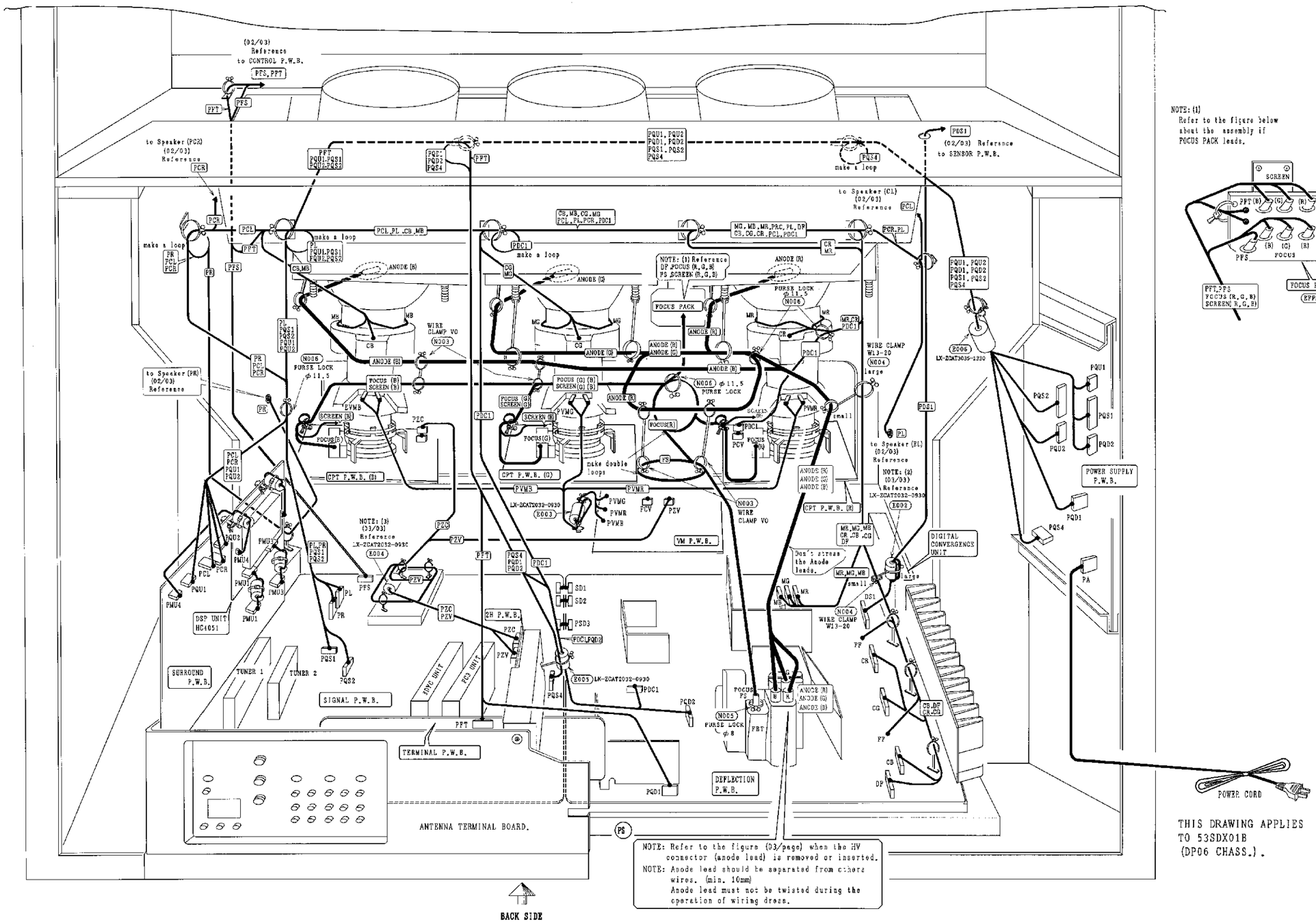
# DP06 WIRING DIAGRAM



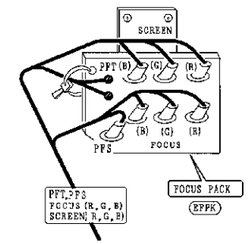



HOME

# DP06 CHASSIS WIRING DRAWING



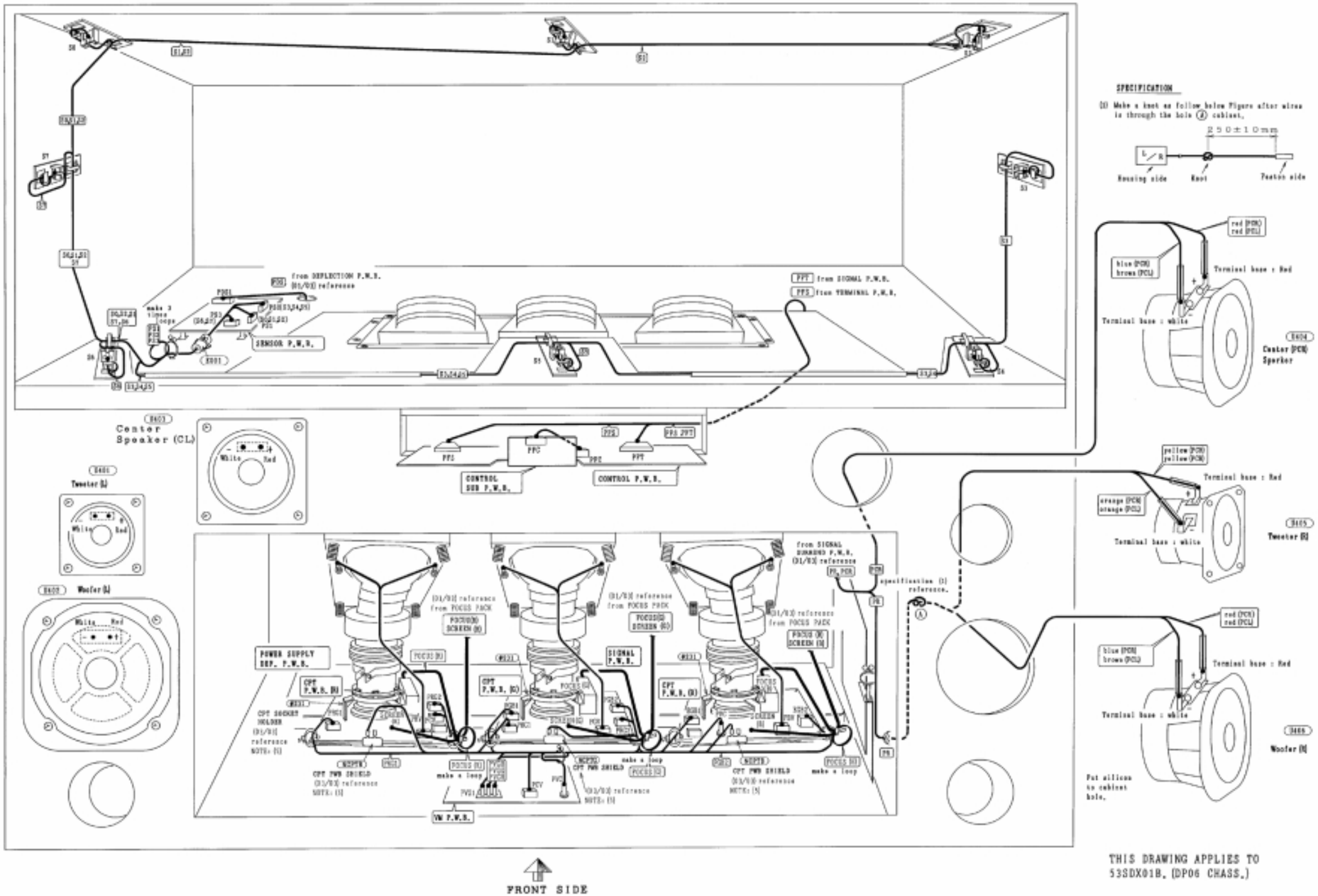

NOTE: (1)
Refer to the figure below about the assembly if FOCUS PACK leads.






HOME

# DP06 CHASSIS WIRING DRAWING






HOME

# DP06 WIRING DRESS DRAWING

## ★ CAUTIONS WHEN CONNECTING/DIS CONNECTING THE HV CONNECTOR

During Removal

1. Roll out silicon cover from FBT's contact area slowly.
2. While turning the connector about 90 degrees following the arrow (O position), push the connector slightly towards the case. (Fig.A)

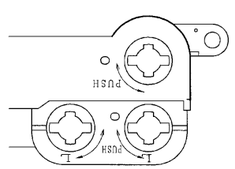



Fig. A

3. Remove the connector slowly by pulling it away from the case.

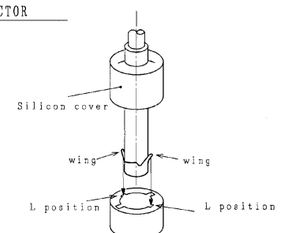



Fig.B

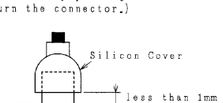
PS process

During Insertion

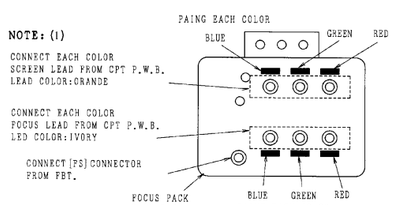
1. Please refer to direction for insertion as shown in Fig.B (L position) Insert connector till "CLICK" sound is heard.
2. Make sure the connector is pressed right in, so that it has a good contact with the spring.
3. Confirm the contact by pulling the connector slightly. (Don't pull hard because it may damage the connector.)
4. Cover the high voltage output by carefully pushing silicon cover on to it. (Don't turn the connector.)

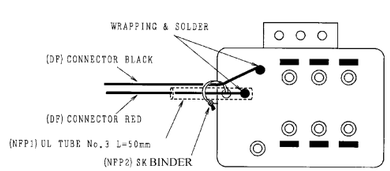
(REMARK)

1. Make sure the silicon cover is covered the high voltage output.

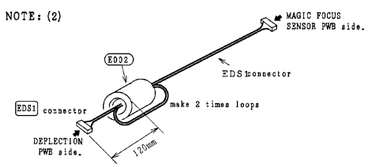



## ★ (UFPK) FOCUS PACK ASY.

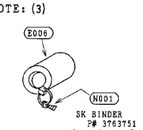


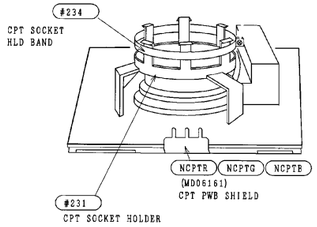

NOTE: (2)




NOTE: (3)




NOTE: (4) CPT SOCKET HOLDER ASSEMBLY. (R.G.B) CPT SOCKET HOLDER ASSEMBLY SHOULD BE FOLLOWED DIAGRAM BELOW.




## ★ AUTO SET UP SENSOR (ESE0~ESE7) ASY.

### 1. CAUSES OF THE DAMAGE ON CHARACTERISTICS

Mainly 2 possibilities can be considered as major causes of failure in characteristics of amorphous silicon solar cell. One possibility is mechanical stress against thin film and the other is electrostatic damage on thin film.

Damage of thin film caused by mechanical stress is the phenomenon like as following example. Certain sharp edged tool makes a scratch at the place where resin is coated on the cell backside. Because of this scratch, a pin-hole can be created in the thin film, then affect open circuit voltage (Voc) of cell in the rnd. Please refer to the page X/Y in which possible mechanical damage to the thin film is described by illustration.

On the other hand, electrostatic damage to the thin film is the phenomenon that static electricity generated by some friction between trays made of inconductive material affects of cell and cause the decrease in open circuit voltage.

### 2. CAUTION IN HANDLING

There is a possibility that the tesin on cell backside can be scratched by certain sharp edged tool. Please pay necessary attention on this point during handling. Also, in order to prevent electrostatic damage to the thin film caused by friction of trays made of inconductive material, please make sure to use only kyocera's trays made of conductive material until start assembling amorphous silicon solar cell.

Please make sure using surgical finger caps or tweezers while handling cells. Do not touch the cells with naked fingers!

### 3. DROPPED CELL

When a cell is dropped to somewhere, please check open circuit voltage by using voltage tester under FLKOOLux and check whether Voc is over 0.5V or not. If Voc is less than 0.5V, please do not use such cell as there is a high possibility that the thin film is damaged at the time of drop.

### 4. WIRING METHOD FOR SOLDERING TYPE TERMINALS

A. TOOLS

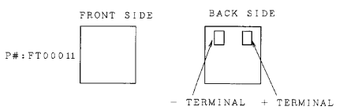
1) Soldering iron : Small tip type (EX.11.5W pen type)
2) Transformer : As long as voltage is adjustable in the range of 70 to 100V, it would be sufficient. If there is a voltage adjustable function in the soldering iron, transformer is unnecessary.
3) Wire type solder: Less flux type solder is necessary.

B. WIRING

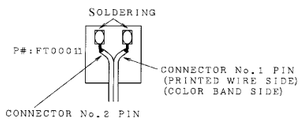
1) Set the voltage of transformer in the range of 70 to 100V and wait for 10 minutes. After 10 minutes from this setting, start soldering work. (Tmperture of soldering iron tip should be 230℃. Find out appropriate voltage in the range of 70 to 100V which can realize maximum productivity in soldering work.)
2) Put the exposed part of lead wire onto soldering foundation and connect lead wire with the terminal by melting soldering foundation with soldering iron. (Soldering duration should be within 2 seconds.)
3) When lead wire can not he soldered well, apply soldering iron tip again for 1 second , then repeat this work several times until lead wire is well connected with the terminal. Do not apply soldering longer than 2 seconds.
4) Clean up stain and solder from the soldering iron tip every 3 to 5 times of soldering work.

### 5. ASSEMBLY OF SILICON SENSOR

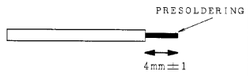
1) SENSOR POLARITY



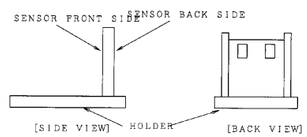

2) SOLDERING SENSOR & WIRE




3) WIRE STRIP SPECIFICATION




4) SENSOR INSERT DIRECTION TO HOLDER

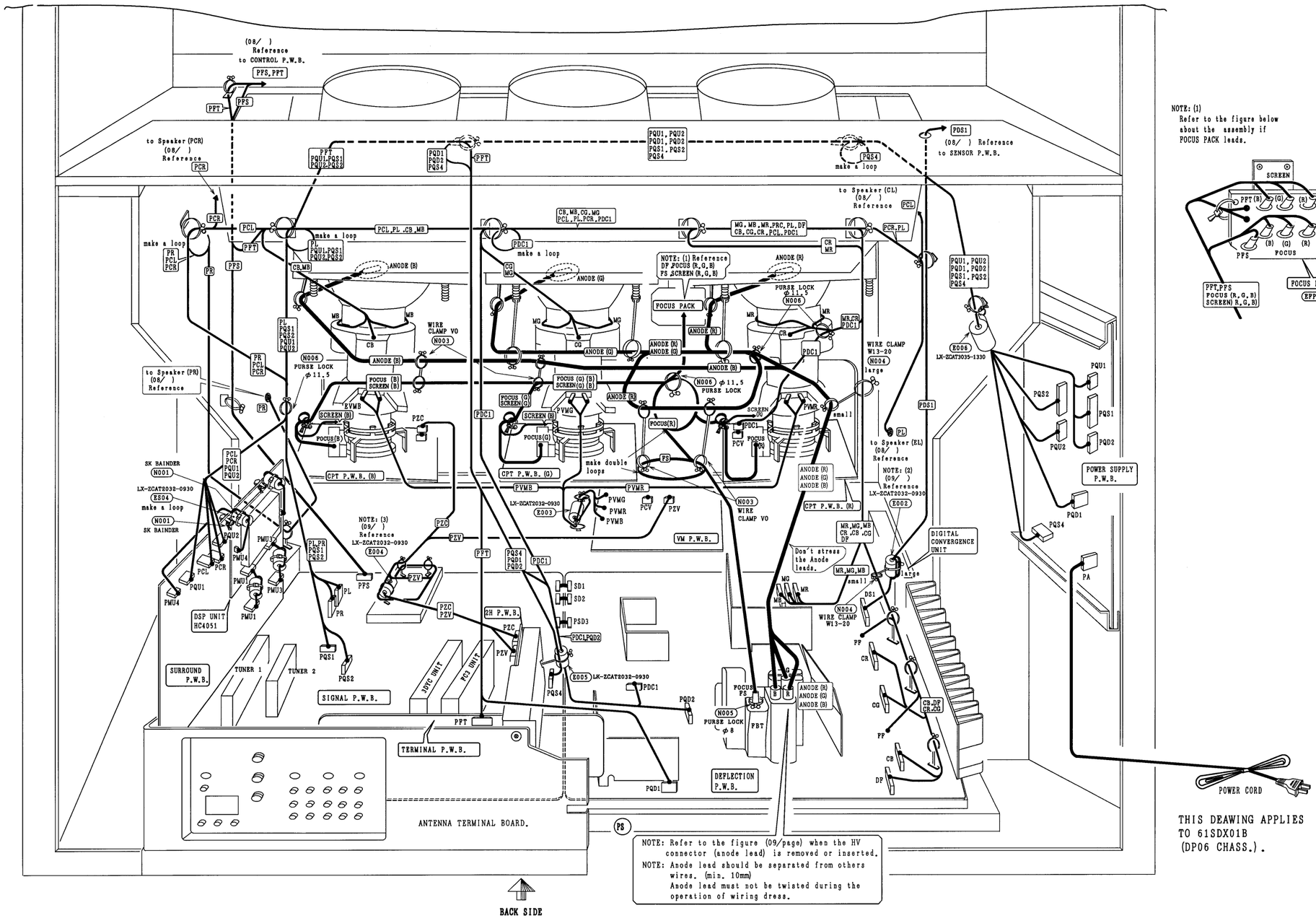



THIS DRAWING APPLIES TO 53SDX01B (DP06 CHASS.).

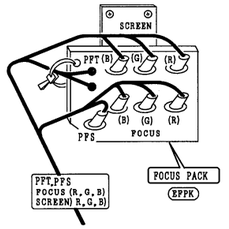


HOME

# DP06 CHASSIS WIRING DRAWING




NOTE: (1)
Refer to the figure below about the assembly if FOCUS PACK leads.

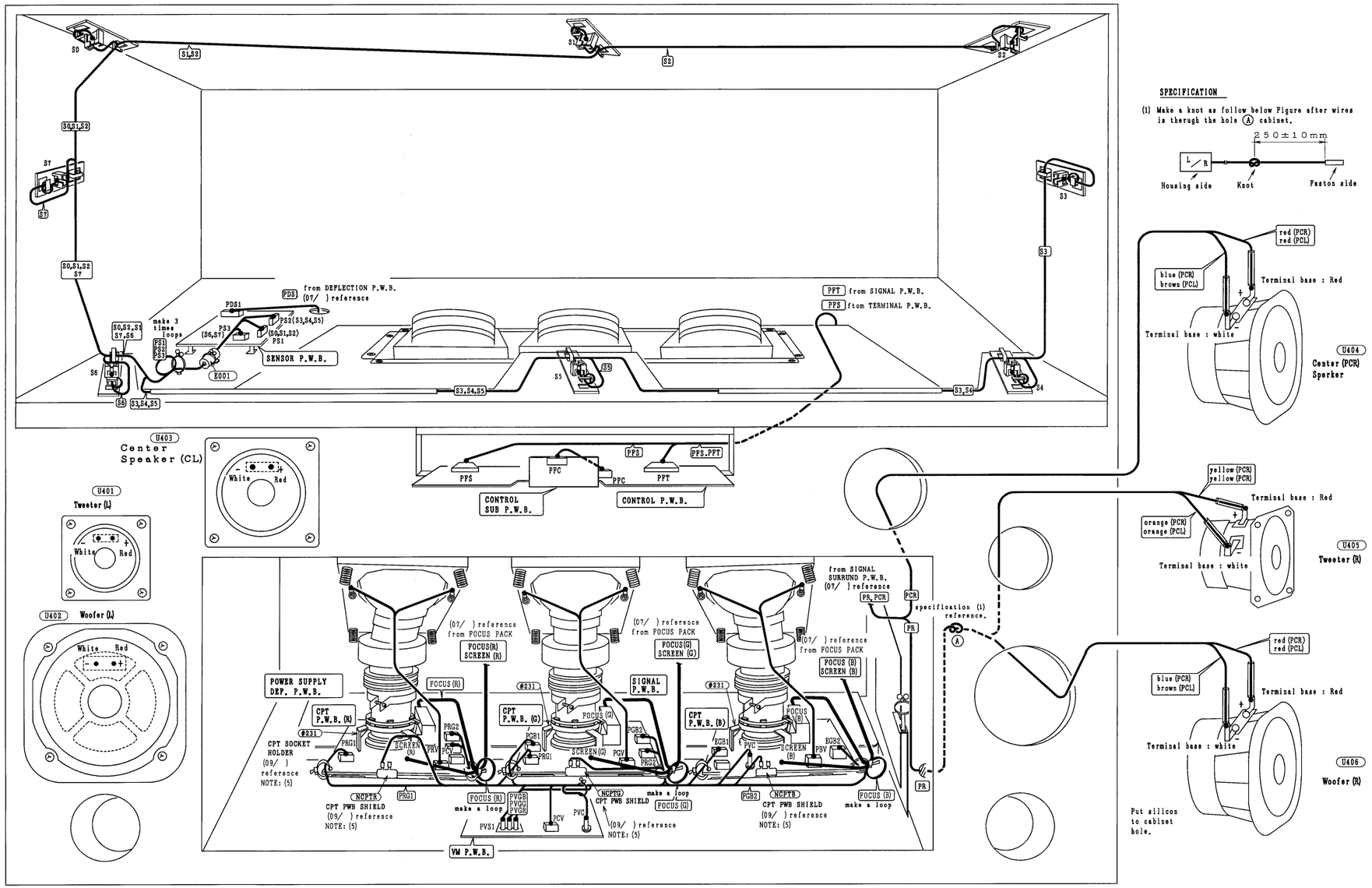



THIS DEAWING APPLIES TO 61SDX01B (DP06 CHASS.).



HOME

# DP06 CHASSIS WIRING DRAWING




**SPECIFICATION**

(1) Make a knot as follow below Figure after wires is therugh the hole (A) cabinet.




FRONT SIDE



HOME

# DP06 WIRING DRESS DRAWING

## ★ CAUTIONS WHEN CONNECTING/DIS CONNECTING THE HV CONNECTOR

During Removal

1. Roll out silicon cover from FBT's contact area slowly.
2. While turning the connector about 90 degrees following the arrow (0 position). push the connector slightly towards the case. (Fig.A)

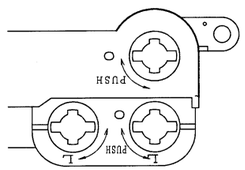
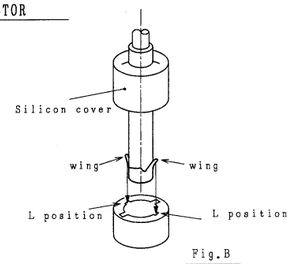



Fig. A

3. Pemove the connector slowly by pulling it away from the case.




PS process

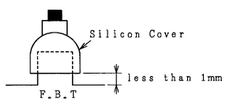
Fig.B

During Insertion

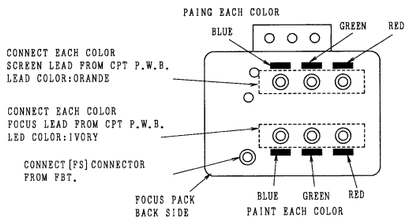
1. Plesse refer to direction for insertion as shown in Fig.B (L position) Insert connector till "CLICK" sound is heard.
2. Meke sure the connector is pressed right in, so that it has a good contact with the spring.
3. Confirm the contact by pulling the connector slightly. (Don't pull hard because it may damage the connector.)
4. Cover the high voltage output by carefully pushing silicon cover on to it. (Don't turn the connector.)

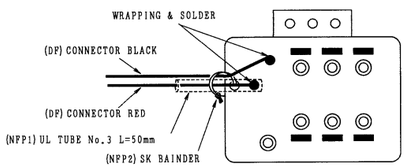
(REMARK)

1. Make sure the silicon cover is covered the high voltage output.

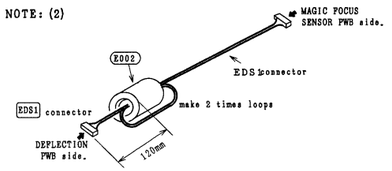



## ★ (UFPK) FOCUS PACK ASY.

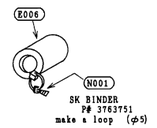



NOTE: (2)




NOTE: (3)




NOTE: (4) CPT SOCKET HOLDER ASSEMBLY. (R.G.B) CPT SOCKET HOLDER ASSEMBLY SHOULD BE FOLLOWED BELOW DIG.




## ★ AUTO SET UP SENSOR (ESE0～ESE7) ASY.

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2) Transfprmer : As long as voltage is adjustable in the range of 70 to 100V. it would be sufficient. If there is a voltage adjustable fuction in the soldering iron. transformer is unnecessary.
3) Wire type solder: Less flux type solder is necessary.

B. WIRING
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2) Put the exposed part of lead wire onto soldering foundation and connect lead wire with the terminal by melting soldering foundation with soldering iron. (Soldering duration should be within 2 secinds.)
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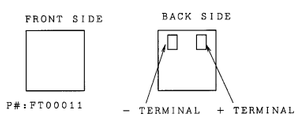
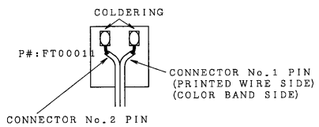
### 5. ASSEMBLY OF SILICON SENSOR

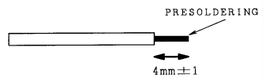
1) SENSOR POLARITY



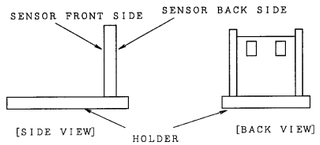

2) SOLDERING SENSOR $ WIRE




3) WIRE STRIP SPECIFICATION



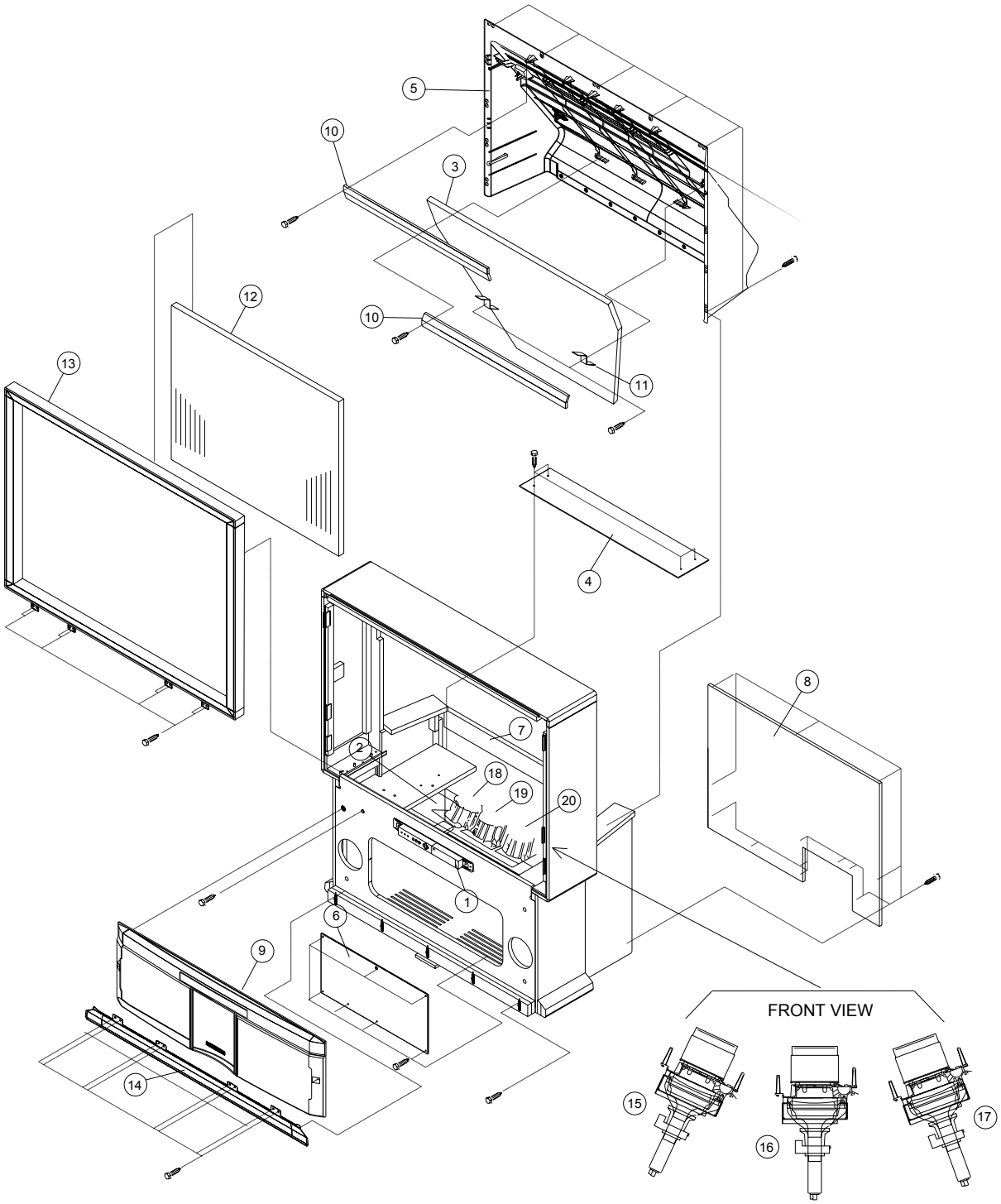

4) SENSOR INSERT DIRECTION TO HOLDER






HOME

# EXPLODED VIEW




**NOTES:** Some parts may appear different than those shown in the exploded view. When ordering, refer to the replacement parts list for the correct part number. The circled numbers correspond to the parts list shown on page 144.

# REPLACEMENT PARTS LIST

PRODUCT SERVICE NOTE: Components marked with a ⚠ have special characteristics important to safety. Before replacing any of these components, read carefully, the PRODUCT SAFETY NOTICE of this Service Manual. Don't degrade the safety of the receiver through improper servicing.

## ABBREVIATIONS

**Capacitors:**
- AL: Aluminum Electrolytic
- CD: Ceramic Disc
- EL: Electrolitic
- PF: Polyester Film
- PP: Polypropylene
- PL: Plastic
- TA: Tantalum
- PR: Paper
- TM: Trimmer
- MC: Mylar

**Resistors:**
- CF: Carbon Film
- CC: Carbon Composition
- MF: Metal Oxide
- VR: Variable Resistor
- WW: Wire Wound
- FR: Fuse Resistor
- MG: Metal Grazed

**Semiconductors:**
- TR: Transistor
- DI: Diode
- ZD: Zener Diode
- VA: Varistor
- TH: Termistor
- IC: Integrated Circuit

| SYMBOL NO. | PART NO. | PART DESCRIPTION | SYMBOL NO. | PART NO. | PART DESCRIPTION |
|---|---|---|---|---|---|
| | | CAPACITORS | C033 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE |
| C001 | 0800326R | CAP.-ELECTRO. 100UF-M 16V | C034 | 0800324R | CAP.-ELECTRO. 100UF-M(SMG) 6.3V |
| C002 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE | C035 | 0228042R | CAP 2125CHIP 33PFJCH 50V TAPE |
| C003 | 0800326R | CAP.-ELECTRO. 100UF-M 16V | C036 | 0228042R | CAP 2125CHIP 33PFJCH 50V TAPE |
| C004 | 0893053R | CAP2125CHIP 47000PFKB 50V TAPE | C037 | 0228042R | CAP 2125CHIP 33PFJCH 50V TAPE |
| C005 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE | C038 | 0228042R | CAP 2125CHIP 33PFJCH 50V TAPE |
| C006 | 0800361N | CAP.-ELECTRO 1000UF 16V | C039 | 0893038R | CAP 2125CHIP 3900PFKB 50V TAPE |
| C007 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE | C040 | 0893044R | CAP2125CHIP 10000PFKB 50V TAPE |
| C008 | 0800326R | CAP.-ELECTRO. 100UF-M 16V | C041 | 0800279R | CAP.-ELECTORO. 1.0UF-M(SMG) 50V |
| C009 | 0800291R | CAP.-ELECTRO. 10UF-M(SMG) 16V | C043 | 0893031R | CAP 2125CHIP 1000PFKB 50V TAPE |
| C010 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE | C044 | 0800315R | CAP.-ELECTRO. 47UF-M(SMG) 6.3V |
| C011 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE | C045 | 0800279R | CAP.-ELECTORO. 1.0UF-M(SMG) 50V |
| C012 | 0800359R | CAP.-ELECTRO. 1000UF-M 10V | C046 | 0800279R | CAP.-ELECTORO. 1.0UF-M(SMG) 50V |
| C013 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE | C047 | 0800279R | CAP.-ELECTORO. 1.0UF-M(SMG) 50V |
| C014 | 0800326R | CAP.-ELECTRO. 100UF-M 16V | C048 | 0800279R | CAP.-ELECTORO. 1.0UF-M(SMG) 50V |
| C015 | 0800317R | CAP.-ELECTRO. 47UF-M(SMG) 16V | C049 | 0893035R | CAP2125CHIP 2200PFKB 50V TAPE |
| C016 | 0800326R | CAP.-ELECTRO. 100UF-M 16V | C04A | 0800279R | CAP.-ELECTORO. 1.0UF-M(SMG) 50V |
| C017 | 0800325R | CAP.-ELECTRO. 100UF-M 10V | C050 | 0893035R | CAP2125CHIP 2200PFKB 50V TAPE |
| C018 | 0800315R | CAP.-ELECTRO. 47UF-M(SMG) 6.3V | C051 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE |
| C019 | 0800324R | CAP.-ELECTRO. 100UF-M(SMG) 6.3V | C052 | 0893044R | CAP2125CHIP 10000PFKB 50V TAPE |
| C020 | 0800324R | CAP.-ELECTRO. 100UF-M(SMG) 6.3V | C053 | 0893044R | CAP2125CHIP 10000PFKB 50V TAPE |
| C021 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE | C054 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE |
| C022 | 0800324R | CAP.-ELECTRO. 100UF-M(SMG) 6.3V | C055 | 0893053R | CAP2125CHIP 47000PFKB 50V TAPE |
| C023 | 0800324R | CAP.-ELECTRO. 100UF-M(SMG) 6.3V | C056 | 0800326R | CAP.-ELECTRO. 100UF-M 16V |
| C024 | 0800324R | CAP.-ELECTRO. 100UF-M(SMG) 6.3V | C057 | 0800291R | CAP.-ELECTRO. 10UF-M(SMG) 16V |
| C025 | 0800324R | CAP.-ELECTRO. 100UF-M(SMG) 6.3V | C058 | 0800317R | CAP.-ELECTRO. 47UF-M(SMG) 16V |
| C026 | 0893044R | CAP2125CHIP 10000PFKB 50V TAPE | C059 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE |
| C027 | 0893044R | CAP2125CHIP 10000PFKB 50V TAPE | C060 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE |
| C028 | 0228054R | CAP 2125 CHIP 100PFJCH 50V TAPE | C061 | 0284623R | CAP.-ELECTRO. 1UF-SME(BP) 50V |
| C029 | 0228058R | CAP 2125 CHIP 150PF-J CH 50V TAPE | C062 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE |
| C030 | 0228070R | CAPACITOR MINI-CHIP 470PF-J CH 50V TAPE | C064 | 0800317R | CAP.-ELECTRO. 47UF-M(SMG) 16V |
| C031 | 0893035R | CAP2125CHIP 2200PFKB 50V TAPE | C065 | 0893031R | CAP 2125CHIP 1000PFKB 50V TAPE |
| C032 | 0800291R | CAP.-ELECTRO. 10UF-M(SMG) 16V | C068 | 0800326R | CAP.-ELECTRO. 100UF-M 16V |

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| SYMBOL NO. | PART NO. | PART DESCRIPTION | SYMBOL NO. | PART NO. | PART DESCRIPTION |
|---|---|---|---|---|---|
| C069 | 0800326R | CAP.-ELECTRO. 100UF-M 16V | C238 | 0228032R | CAP 2125CHIP 12PFJCH 50V TAPE |
| C070 | 0800326R | CAP.-ELECTRO. 100UF-M 16V | C239 | 0800316R | CAP.-ELECTRO. 47UF-M(SMG) 10V |
| C072 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE | C240 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE |
| C074 | 0800326R | CAP.-ELECTRO. 100UF-M 16V | C241 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE |
| C075 | 0800291R | CAP.-ELECTRO. 10UF-M(SMG) 16V | C242 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE |
| C076 | 0800317R | CAP.-ELECTRO. 47UF-M(SMG) 16V | C243 | 0800326R | CAP.-ELECTRO. 100UF-M 16V |
| C079 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE | C244 | 0800325R | CAP.-ELECTRO. 100UF-M 10V |
| C080 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE | C245 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE |
| C081 | 0800326R | CAP.-ELECTRO. 100UF-M 16V | C246 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE |
| C082 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE | C247 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE |
| C083 | 0800324R | CAP.-ELECTRO. 100UF-M(SMG) 6.3V | C251 | 0800326R | CAP.-ELECTRO. 100UF-M 16V |
| C084 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE | C252 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE |
| C085 | 0800317R | CAP.-ELECTRO. 47UF-M(SMG) 16V | C261 | 0284665R | CAP.-ELECTRO. 47UF-MBPR(SME)6.3V |
| C092 | 0800279R | CAP.-ELECTORO. 1.0UF-M(SMG) 50V | C262 | 0284665R | CAP.-ELECTRO. 47UF-MBPR(SME)6.3V |
| C093 | 0800351R | CAP.-ELECTRO. 470UF-M 6.3V | C263 | 0284665R | CAP.-ELECTRO. 47UF-MBPR(SME)6.3V |
| C094 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE | C264 | 0284665R | CAP.-ELECTRO. 47UF-MBPR(SME)6.3V |
| C095 | 0284623R | CAP.-ELECTRO. 1UF-SME(BP) 50V | C265 | 0284665R | CAP.-ELECTRO. 47UF-MBPR(SME)6.3V |
| C096 | 0284623R | CAP.-ELECTRO. 1UF-SME(BP) 50V | C266 | 0284665R | CAP.-ELECTRO. 47UF-MBPR(SME)6.3V |
| C097 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE | C267 | 0228070R | CAPACITOR MINI-CHIP 470PF-J CH 50V TAPE |
| C098 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE | C268 | 0800317R | CAP.-ELECTRO. 47UF-M(SMG) 16V |
| C099 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE | C269 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE |
| C101 | 0228772R | CAP2125CHIP 560PFJSL 50V TAPE | C270 | 0800279R | CAP.-ELECTORO. 1.0UF-M(SMG) 50V |
| C102 | 0228772R | CAP2125CHIP 560PFJSL 50V TAPE | C271 | 0800291R | CAP.-ELECTRO. 10UF-M(SMG) 16V |
| C103 | 0890082R | CAP.-CERAMIC 390PF-K 50V | C272 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE |
| C104 | 0890082R | CAP.-CERAMIC 390PF-K 50V | C273 | 0800291R | CAP.-ELECTRO. 10UF-M(SMG) 16V |
| C105 | 0890082R | CAP.-CERAMIC 390PF-K 50V | C274 | 0800291R | CAP.-ELECTRO. 10UF-M(SMG) 16V |
| C202 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE | C275 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE |
| C203 | 0800317R | CAP.-ELECTRO. 47UF-M(SMG) 16V | C277 | 0800324R | CAP.-ELECTRO. 100UF-M(SMG) 6.3V |
| C205 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE | C279 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE |
| C206 | 0800361N | CAP.-ELECTRO 1000UF 16V | C280 | 0893044R | CAP2125CHIP 10000PFKB 50V TAPE |
| C207 | 0893053R | CAP2125CHIP 47000PFKB 50V TAPE | C281 | 0893044R | CAP2125CHIP 10000PFKB 50V TAPE |
| C208 | 0800361N | CAP.-ELECTRO 1000UF 16V | C282 | 0893044R | CAP2125CHIP 10000PFKB 50V TAPE |
| C209 | 0800291R | CAP.-ELECTRO. 10UF-M(SMG) 16V | C283 | 0800352R | CAP.-ELECTRO.470UF 10V |
| C211 | 0800317R | CAP.-ELECTRO. 47UF-M(SMG) 16V | C284 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE |
| C214 | 0800361N | CAP.-ELECTRO 1000UF 16V | C285 | 0800352R | CAP.-ELECTRO.470UF 10V |
| C215 | 0893053R | CAP2125CHIP 47000PFKB 50V TAPE | C286 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE |
| C216 | 0800358R | CAP.-ELECTRO. 1000UF-M 6.3V | C288 | 0800291R | CAP.-ELECTRO. 10UF-M(SMG) 16V |
| C217 | 0800358R | CAP.-ELECTRO. 1000UF-M 6.3V | C290 | 0228772R | CAP2125CHIP 560PFJSL 50V TAPE |
| C219 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE | C295 | 0890068R | CAP.-CERAMIC 39PF-J 50V |
| C220 | 0800326R | CAP.-ELECTRO. 100UF-M 16V | C401 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE |
| C221 | AA00931R | CERAMIC CAPACITOR(1UF 10V) | C402 | 0800291R | CAP.-ELECTRO. 10UF-M(SMG) 16V |
| C222 | 0800279R | CAP.-ELECTORO. 1.0UF-M(SMG) 50V | C403 | 0893062R | CAP2125CHIP 1000000PFZF16V TAPE |
| C223 | 0800279R | CAP.-ELECTORO. 1.0UF-M(SMG) 50V | C404 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE |
| C224 | AA00931R | CERAMIC CAPACITOR(1UF 10V) | C405 | 0800317R | CAP.-ELECTRO. 47UF-M(SMG) 16V |
| C225 | AA00931R | CERAMIC CAPACITOR(1UF 10V) | C406 | 0800326R | CAP.-ELECTRO. 100UF-M 16V |
| C226 | 0800326R | CAP.-ELECTRO. 100UF-M 16V | C407 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE |
| C227 | 0893044R | CAP2125CHIP 10000PFKB 50V TAPE | C408 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE |
| C228 | 0228048R | CAPACITOR MINI-CHIP 56PF-J CH 50V TAPE | C409 | 0893044R | CAP2125CHIP 10000PFKB 50V TAPE |
| C229 | 0893044R | CAP2125CHIP 10000PFKB 50V TAPE | C410 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE |
| C231 | 0893039R | CAP 2125CHIP 4700PFKB 50V TAPE | C411 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE |
| C232 | 0800282R | CAP.-ELECTORO. 2.2UF-M(SMG) 50V | C412 | 0800291R | CAP.-ELECTRO. 10UF-M(SMG) 16V |
| C233 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE | C413 | AA00931R | CERAMIC CAPACITOR(1UF 10V) |
| C234 | 0800282R | CAP.-ELECTORO. 2.2UF-M(SMG) 50V | C414 | 0893062R | CAP2125CHIP 1000000PFZF16V TAPE |
| C235 | 0893044R | CAP2125CHIP 10000PFKB 50V TAPE | C415 | 0893062R | CAP2125CHIP 1000000PFZF16V TAPE |
| C236 | 0893035R | CAP2125CHIP 2200PFKB 50V TAPE | C416 | AA00931R | CERAMIC CAPACITOR(1UF 10V) |
| C237 | 0800273R | CAP.-ELECTRO 0.22UF-M 50V | C419 | AA00931R | CERAMIC CAPACITOR(1UF 10V) |

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| SYMBOL NO. | PART NO. | PART DESCRIPTION | SYMBOL NO. | PART NO. | PART DESCRIPTION |
|---|---|---|---|---|---|
| C420 | 0893062R | CAP2125CHIP 1000000PFZF16V TAPE | C479 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE |
| C421 | 0893062R | CAP2125CHIP 1000000PFZF16V TAPE | C480 | AA00931R | CERAMIC CAPACITOR(1UF 10V) |
| C422 | AA00931R | CERAMIC CAPACITOR(1UF 10V) | C481 | 0893062R | CAP2125CHIP 1000000PFZF16V TAPE |
| C423 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE | C482 | 0893062R | CAP2125CHIP 1000000PFZF16V TAPE |
| C424 | AA00931R | CERAMIC CAPACITOR(1UF 10V) | C483 | 0893062R | CAP2125CHIP 1000000PFZF16V TAPE |
| C425 | 0893062R | CAP2125CHIP 1000000PFZF16V TAPE | C484 | 0893062R | CAP2125CHIP 1000000PFZF16V TAPE |
| C426 | 0893062R | CAP2125CHIP 1000000PFZF16V TAPE | C485 | AA00931R | CERAMIC CAPACITOR(1UF 10V) |
| C427 | AA00931R | CERAMIC CAPACITOR(1UF 10V) | C486 | 0800316R | CAP.-ELECTRO. 47UF-M(SMG) 10V |
| C428 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE | C487 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE |
| C429 | 0800317R | CAP.-ELECTRO. 47UF-M(SMG) 16V | C490 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE |
| C430 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE | C493 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE |
| C431 | AA00931R | CERAMIC CAPACITOR(1UF 10V) | C494 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE |
| C432 | 0893062R | CAP2125CHIP 1000000PFZF16V TAPE | C495 | 0800326R | CAP.-ELECTRO. 100UF-M 16V |
| C433 | 0893062R | CAP2125CHIP 1000000PFZF16V TAPE | C496 | 0800291R | CAP.-ELECTRO. 10UF-M(SMG) 16V |
| C434 | AA00931R | CERAMIC CAPACITOR(1UF 10V) | C497 | 0800291R | CAP.-ELECTRO. 10UF-M(SMG) 16V |
| C435 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE | C498 | 0800291R | CAP.-ELECTRO. 10UF-M(SMG) 16V |
| C436 | 0800352R | CAP.-ELECTRO.470UF 10V | C499 | 0800291R | CAP.-ELECTRO. 10UF-M(SMG) 16V |
| C437 | 0800291R | CAP.-ELECTRO. 10UF-M(SMG) 16V | C500 | 0800291R | CAP.-ELECTRO. 10UF-M(SMG) 16V |
| C438 | 0800291R | CAP.-ELECTRO. 10UF-M(SMG) 16V | C501 | 0800291R | CAP.-ELECTRO. 10UF-M(SMG) 16V |
| C439 | 0800352R | CAP.-ELECTRO.470UF 10V | C502 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE |
| C440 | 0893044R | CAP2125CHIP 10000PFKB 50V TAPE | C503 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE |
| C441 | 0800317R | CAP.-ELECTRO. 47UF-M(SMG) 16V | C504 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE |
| C442 | AA00931R | CERAMIC CAPACITOR(1UF 10V) | C505 | 0893044R | CAP2125CHIP 10000PFKB 50V TAPE |
| C443 | AA00931R | CERAMIC CAPACITOR(1UF 10V) | C506 | 0893044R | CAP2125CHIP 10000PFKB 50V TAPE |
| C444 | 0800316R | CAP.-ELECTRO. 47UF-M(SMG) 10V | C507 | 0893044R | CAP2125CHIP 10000PFKB 50V TAPE |
| C445 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE | C511 | 0228772R | CAP2125CHIP 560PFJSL 50V TAPE |
| C446 | 0228032R | CAP 2125CHIP 12PFJCH 50V TAPE | C562 | 0800291R | CAP.-ELECTRO. 10UF-M(SMG) 16V |
| C447 | 0800273R | CAP.-ELECTRO 0.22UF-M 50V | C601 | AN00618R | CAP.POLY 0.0039UF 50V TAPE |
| C448 | 0893035R | CAP2125CHIP 2200PFKB 50V TAPE | C613 | AL01162R | CAP.ELECTRO 10UF-M(YXF)50V |
| C449 | 0800282R | CAP.-ELECTORO. 2.2UF-M(SMG) 50V | C614 | 0800329R | CAP.-ELECTRO. 100UF-M(SMG) 50V |
| C450 | 0800282R | CAP.-ELECTORO. 2.2UF-M(SMG) 50V | C615 | AL01143S | CAP.ELECTROLYTIC 2200UF-M(YXF)25V |
| C451 | 0893039R | CAP 2125CHIP 4700PFKB 50V TAPE | C616 | AL01336R | ALUMINIUM ELECT. CAPACITOR PW(10UF 16V ) |
| C452 | 0800316R | CAP.-ELECTRO. 47UF-M(SMG) 10V | C619 | 0800317R | CAP.-ELECTRO. 47UF-M(SMG) 16V |
| C453 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE | C620 | 0279692R | CAP.-POLYESTER 0.068UF 100V |
| C454 | 0800279R | CAP.-ELECTORO. 1.0UF-M(SMG) 50V | C621 | 0880194R | CAP.-POLYESTER 0.1UF-J 50V |
| C455 | 0284665R | CAP.-ELECTRO. 47UF-MBPR(SME)6.3V | C622 | 0800347N | CAP.-ELECTRO. 330UF-M(SMG) 50V |
| C456 | 0284665R | CAP.-ELECTRO. 47UF-MBPR(SME)6.3V | C625 | 0880194R | CAP.-POLYESTER 0.1UF-J 50V |
| C457 | 0284665R | CAP.-ELECTRO. 47UF-MBPR(SME)6.3V | C651 | 0800326R | CAP.-ELECTRO. 100UF-M 16V |
| C458 | 0228070R | CAPACITOR MINI-CHIP 470PF-J CH 50V TAPE | C653 | AN00626R | CAP.POLYESTER 0.015UF 50V TAPE |
| C459 | 0284665R | CAP.-ELECTRO. 47UF-MBPR(SME)6.3V | C654 | AN00624R | CAP.POLY 0.01UF 50V TAPE |
| C460 | 0284665R | CAP.-ELECTRO. 47UF-MBPR(SME)6.3V | C655 | 0880198R | CAP.-PLOY. 0.22UF-J 50V |
| C461 | 0284665R | CAP.-ELECTRO. 47UF-MBPR(SME)6.3V | C656 | 0244501R | CAP.-CERAMIC 1000PF-K 500V |
| C462 | 0800326R | CAP.-ELECTRO. 100UF-M 16V | C657 | 0244507R | CAP.-CERAMIC 3300PF-KB B 500V |
| C463 | 0800291R | CAP.-ELECTRO. 10UF-M(SMG) 16V | ⚠ C658 | 0299975F | CAPACITOR-POLYPROPYLENE 0.0033MF 630V |
| C464 | 0800291R | CAP.-ELECTRO. 10UF-M(SMG) 16V | ⚠ C659 | 0299975F | CAPACITOR-POLYPROPYLENE 0.0033MF 630V |
| C465 | 0800291R | CAP.-ELECTRO. 10UF-M(SMG) 16V | ⚠ C660 | 0299973F | CAP.-POLYPROPYLENE 0.0022MF 630V |
| C466 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE | C661 | 0259471 | CAP.-ELECTRO 6.8UF-M (BP) 50V |
| C467 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE | C662 | 0259471 | CAP.-ELECTRO 6.8UF-M (BP) 50V |
| C468 | 0800317R | CAP.-ELECTRO. 47UF-M(SMG) 16V | C680 | 0800291R | CAP.-ELECTRO. 10UF-M(SMG) 16V |
| C472 | AA00931R | CERAMIC CAPACITOR(1UF 10V) | C701 | 0800361N | CAP.-ELECTRO 1000UF 16V |
| C473 | 0893062R | CAP2125CHIP 1000000PFZF16V TAPE | C702 | 0880194R | CAP.-POLYESTER 0.1UF-J 50V |
| C474 | 0893062R | CAP2125CHIP 1000000PFZF16V TAPE | C703 | 0800279R | CAP.-ELECTORO. 1.0UF-M(SMG) 50V |
| C475 | 0893062R | CAP2125CHIP 1000000PFZF16V TAPE | C704 | AN00624R | CAP.POLY 0.01UF 50V TAPE |
| C476 | 0893062R | CAP2125CHIP 1000000PFZF16V TAPE | C706 | AN00624R | CAP.POLY 0.01UF 50V TAPE |
| C477 | AA00931R | CERAMIC CAPACITOR(1UF 10V) | C707 | 0890074R | CAP.-CERAMIC 100PF-J 50V |
| C478 | 0800316R | CAP.-ELECTRO. 47UF-M(SMG) 10V | C708 | 0890074R | CAP.-CERAMIC 100PF-J 50V |

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| SYMBOL NO. | PART NO. | PART DESCRIPTION | SYMBOL NO. | PART NO. | PART DESCRIPTION |
|---|---|---|---|---|---|
| C709 | 0880194R | CAP.-POLYESTER 0.1UF-J 50V | C908 | 0800329R | CAP.-ELECTRO. 100UF-M(SMG) 50V |
| C752 | 0244505R | CAP-CERAMIC 0.0022UF-K 500V | C909 | 0299616F | CAPACITOR-POLYPROPYLENE FILM 0.0033UF-J 630V |
| C753 | 0243509R | CAPACITOR-CERAMIC 470PF-K 500V TAPE | C910 | 0800279R | CAP.-ELECTORO. 1.0UF-M(SMG) 50V |
| C754 | AL01724 | CAP.ALUMI.160V 390UF KMH(M) | C911 | 0270425R | CAP.-POLY.1200PF 50V |
| C755 | 0880194R | CAP.-POLYESTER 0.1UF-J 50V | ⚠ C913 | AJ00184F | CAP.CERA.CC-222M401E-DF10F11 |
| C756 | 0890081R | CAP.-CERAMIC 330PF 50V | ⚠ C914 | AJ00182F | CAPACITOT CERAMIC CC-102M401E-DF10F8.5 |
| ⚠ C758 | AN01131F | METALLIZ POLYPROPYLENE FILM CAPACITOR0.0056UF | C915 | 0243511R | CAP.-CERAMIC 680PF-K 500V TAPE |
| ⚠ C759 | AN01133F | CAP.META.POLY FILM 0068UF | C916 | 0243511R | CAP.-CERAMIC 680PF-K 500V TAPE |
| C762 | AN01176F | CAPACITOR 0.39UF 250V METALLIZ POLYPROPYLENE | C917 | AL01172S | CAP.ELECTROLYTIC 2200UF-M(YXF)50V |
| C763 | AN01178F | CAPACITOR 0.47UF 250V METALLIZ POLYPROPYLENE | C918 | AL01171S | CAP.ELECTROLYTIC 1000UF-M(YXF)50V |
| C765 | 0244505R | CAP-CERAMIC 0.0022UF-K 500V | C919 | 0880062R | CAP.-POLYESTER 0.22UF-KEB 50V |
| C766 | 0244505R | CAP-CERAMIC 0.0022UF-K 500V | C920 | 0880062R | CAP.-POLYESTER 0.22UF-KEB 50V |
| C767 | 0284677R | CAP.-ELECTORO. 100UF-M (BP) 16V | C921 | 0244105R | CAP.-CERAMIC 2200PF-K 50V TAPE |
| C768 | 0800294R | CAP.-ELECTRO. 10UF-M(SMG) 50V | C922 | 0880009R | CAP.-POLYESTER 0.01UF-K 50V |
| C769 | 0800323R | CAP.-ELECTRO. 47UF-M 100V | C923 | 0243511R | CAP.-CERAMIC 680PF-K 500V TAPE |
| C773 | 0284634R | CAP.-ELECTRO 4.7UF-SME(BP) 50V | C924 | 0800338R | CAP.ELECTRO.220UF-M 50V(SMG) |
| C778 | 0880194R | CAP.-POLYESTER 0.1UF-J 50V | C927 | 0243511R | CAP.-CERAMIC 680PF-K 500V TAPE |
| C801 | 0890081R | CAP.-CERAMIC 330PF 50V | C928 | AL01153S | CAP.ELECTR.1000UF-M(YXF)35V |
| C802 | AN00624R | CAP.POLY 0.01UF 50V TAPE | C929 | 0243511R | CAP.-CERAMIC 680PF-K 500V TAPE |
| C803 | 0800279R | CAP.-ELECTORO. 1.0UF-M(SMG) 50V | C930 | AL01141S | CAP.ELECTR.470UF-M(YXF)25V |
| C804 | 0299622F | CAPACITOR-POLYPROPYLENE FILM 0.01UF-J 630V | C931 | 0800346R | CAP.-ELECTRO 330UF 35V |
| C805 | AL00031R | CAP.-ELECTORO. 33UF-M 250V | C932 | AL01117S | CAP.ELECTR.1000UF-M(YXF)10V |
| C807 | 0800353R | CAP.-ELECTRO.470UF-M 16V | C933 | 0284393F | CAP.ELECTR.1000UF-M(KMF)10V |
| C812 | AJ00559 | CAPACITOT CERAMIC 2200PF2KV | C934 | 0800346R | CAP.-ELECTRO 330UF 35V |
| C813 | AL00025R | CAP.ALMI 2.2UF250V | C935 | 0284408F | CAP.-ELECTRO 1000UF 16V |
| C814 | 0880194R | CAP.-POLYESTER 0.1UF-J 50V | C936 | 0284408F | CAP.-ELECTRO 1000UF 16V |
| C816 | 0890087R | CAP.-CERAMIC 1000PF-K 50V | C937 | 0800346R | CAP.-ELECTRO 330UF 35V |
| C851 | 0890082R | CAP.-CERAMIC 390PF-K 50V | C938 | AL01106S | CAP.ELECTR.2200UF-M(YXF)6.3V |
| C852 | AN00624R | CAP.POLY 0.01UF 50V TAPE | C939 | 0284377F | CAP.ELECTR.1000UF-M(KMF)6.3V |
| C853 | 0800279R | CAP.-ELECTORO. 1.0UF-M(SMG) 50V | C940 | 0800346R | CAP.-ELECTRO 330UF 35V |
| C854 | AL00031R | CAP.-ELECTORO. 33UF-M 250V | C941 | AL01128R | CAP.ELECTR.470UF-M(YXF)16V |
| C857 | 0800353R | CAP.-ELECTRO.470UF-M 16V | C942 | 0800353R | CAP.-ELECTRO.470UF-M 16V |
| C860 | 0800294R | CAP.-ELECTRO. 10UF-M(SMG) 50V | C943 | 0800353R | CAP.-ELECTRO.470UF-M 16V |
| C862 | AJ00559 | CAPACITOT CERAMIC 2200PF2KV | C944 | 0800353R | CAP.-ELECTRO.470UF-M 16V |
| C863 | AL00025R | CAP.ALMI 2.2UF250V | C945 | 0800353R | CAP.-ELECTRO.470UF-M 16V |
| C864 | 0880194R | CAP.-POLYESTER 0.1UF-J 50V | C946 | 0284393F | CAP.ELECTR.1000UF-M(KMF)10V |
| C865 | 0800317R | CAP.-ELECTRO. 47UF-M(SMG) 16V | C947 | 0800279R | CAP.-ELECTORO. 1.0UF-M(SMG) 50V |
| C866 | 0890087R | CAP.-CERAMIC 1000PF-K 50V | C948 | 0800319R | CAP.-ELECTRO. 47UF-M 35V |
| C8A1 | 0890079R | CAP.-CERAMIC 270PF-K 50V | C949 | 0800291R | CAP.-ELECTRO. 10UF-M(SMG) 16V |
| C8A2 | AN00624R | CAP.POLY 0.01UF 50V TAPE | C950 | 0890087R | CAP.-CERAMIC 1000PF-K 50V |
| C8A3 | 0800279R | CAP.-ELECTORO. 1.0UF-M(SMG) 50V | C951 | 0890087R | CAP.-CERAMIC 1000PF-K 50V |
| C8A4 | AL00031R | CAP.-ELECTORO. 33UF-M 250V | C952 | 0890087R | CAP.-CERAMIC 1000PF-K 50V |
| C8A7 | 0800353R | CAP.-ELECTRO.470UF-M 16V | C953 | 0890087R | CAP.-CERAMIC 1000PF-K 50V |
| C8A8 | 0880194R | CAP.-POLYESTER 0.1UF-J 50V | C954 | 0800292R | CAP.-ELECTRO. 10UF-M(SMG) 25V |
| C8C0 | 0880194R | CAP.-POLYESTER 0.1UF-J 50V | C955 | 0880198R | CAP.-PLOY. 0.22UF-J 50V |
| C8C1 | 0800279R | CAP.-ELECTORO. 1.0UF-M(SMG) 50V | C956 | 0800291R | CAP.-ELECTRO. 10UF-M(SMG) 16V |
| C8C2 | AJ00559 | CAPACITOT CERAMIC 2200PF2KV | CC01 | 0800279R | CAP.-ELECTORO. 1.0UF-M(SMG) 50V |
| C8C3 | AL00025R | CAP.ALMI 2.2UF250V | CC02 | 0800279R | CAP.-ELECTORO. 1.0UF-M(SMG) 50V |
| C8C4 | 0890087R | CAP.-CERAMIC 1000PF-K 50V | CC03 | 0800279R | CAP.-ELECTORO. 1.0UF-M(SMG) 50V |
| ⚠ C901 | AN01445S | ACROSS CAPA 0.22UF 250V RE224 | CC04 | 0800279R | CAP.-ELECTORO. 1.0UF-M(SMG) 50V |
| ⚠ C902 | AN01443S | ACROSS CAPA 0.1UF 250V RE104 | CC05 | 0893031R | CAP 2125CHIP 1000PFKB 50V TAPE |
| ⚠ C903 | AJ00195F | CAPACITOR CERAMIC 4700P 250V F | CC06 | 0893031R | CAP 2125CHIP 1000PFKB 50V TAPE |
| ⚠ C904 | AJ00195F | CAPACITOR CERAMIC 4700P 250V F | CC07 | 0800317R | CAP.-ELECTRO. 47UF-M(SMG) 16V |
| C905 | AL01741 | CAP.ALUMI.250V 220UF KMH(M) | CC08 | 0800279R | CAP.-ELECTORO. 1.0UF-M(SMG) 50V |
| C906 | AL01741 | CAP.ALUMI.250V 220UF KMH(M) | CC09 | 0800279R | CAP.-ELECTORO. 1.0UF-M(SMG) 50V |
| C907 | 0800345R | CAP.-ELECTRO. 330UF-M(SMG) 25V | CC10 | 0800318R | CAP.-ELECTRO. 47UF-M 25V |

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| SYMBOL NO. | PART NO. | PART DESCRIPTION | SYMBOL NO. | PART NO. | PART DESCRIPTION |
|---|---|---|---|---|---|
| CC11 | 0800318R | CAP.-ELECTRO. 47UF-M 25V | CH29 | 0800352R | CAP.-ELECTRO.470UF 10V |
| CC12 | 0800327R | CAP.-ELECTRO. 100UF-M 25V | CH30 | 0800279R | CAP.-ELECTORO. 1.0UF-M(SMG) 50V |
| CC13 | 0800327R | CAP.-ELECTRO. 100UF-M 25V | CH37 | AN00618R | CAP.POLY 0.0039UF 50V TAPE |
| CC14 | 0800317R | CAP.-ELECTRO. 47UF-M(SMG) 16V | CH43 | 0800326R | CAP.-ELECTRO. 100UF-M 16V |
| CC15 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE | CH44 | 0890074R | CAP.-CERAMIC 100PF-J 50V |
| CC16 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE | CH45 | AN00624R | CAP.POLY 0.01UF 50V TAPE |
| CC17 | 0284824F | CAP.-ELECTRO. 2200UF 35V SMG | CH46 | 0800291R | CAP.-ELECTRO. 10UF-M(SMG) 16V |
| CC18 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE | CH47 | AN00613R | CAP.POLYESTER 0.0015UF 50V TAPE |
| CC19 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE | CH48 | 0800326R | CAP.-ELECTRO. 100UF-M 16V |
| CC20 | 0284824F | CAP.-ELECTRO. 2200UF 35V SMG | CH49 | 0800279R | CAP.-ELECTORO. 1.0UF-M(SMG) 50V |
| CC21 | 0284824F | CAP.-ELECTRO. 2200UF 35V SMG | CK01 | 0800326R | CAP.-ELECTRO. 100UF-M 16V |
| CC22 | AN00637R | CAP.POLYESTER 0.1UF 50V TAPE | CK02 | 0800326R | CAP.-ELECTRO. 100UF-M 16V |
| CC25 | 0284625R | CAP.-ELECTRO. 2.2UF-SME(BP)50V | CK03 | 0800326R | CAP.-ELECTRO. 100UF-M 16V |
| CC26 | 0284625R | CAP.-ELECTRO. 2.2UF-SME(BP)50V | CK04 | 0880194R | CAP.-POLYESTER 0.1UF-J 50V |
| CC27 | AN00637 | PLASTIC FILM CAPACITOR(0.1UF 50V ) | CK05 | 0800326R | CAP.-ELECTRO. 100UF-M 16V |
| CC28 | AN00637R | CAP.POLYESTER 0.1UF 50V TAPE | CK06 | 0880194R | CAP.-POLYESTER 0.1UF-J 50V |
| CE01 | AN00624R | CAP.POLY 0.01UF 50V TAPE | CK07 | 0800326R | CAP.-ELECTRO. 100UF-M 16V |
| CE02 | 0800321R | CAP.-ELECTRO. 47UF-M 50V | CK08 | 0880194R | CAP.-POLYESTER 0.1UF-J 50V |
| CE03 | 0880194R | CAP.-POLYESTER 0.1UF-J 50V | CK09 | 0880194R | CAP.-POLYESTER 0.1UF-J 50V |
| CE04 | 0890066R | CAP.CERAMIC 27PF-J 50V | CK10 | 0800326R | CAP.-ELECTRO. 100UF-M 16V |
| CE05 | 0800291R | CAP.-ELECTRO. 10UF-M(SMG) 16V | CK11 | AN00615R | CAP.POLYESTER 0.0022UF 50V TAPE |
| CE06 | AN00624R | CAP.POLY 0.01UF 50V TAPE | CK12 | 0890076R | CAP.CERAMIC 150PF-K 50V |
| CE07 | 0890061R | CAP.-CERAMIC 10PF- 50V | CK13 | 0880194R | CAP.-POLYESTER 0.1UF-J 50V |
| CE09 | 0880194R | CAP.-POLYESTER 0.1UF-J 50V | CK14 | 0880194R | CAP.-POLYESTER 0.1UF-J 50V |
| CE10 | 0800321R | CAP.-ELECTRO. 47UF-M 50V | CK15 | AN00611R | CAP.POLYSTYLENE 0.001UF 50V TAPE |
| CE13 | 0244541F | CAPACITOR-CERAMIC 0.01MF-K B 500V | CK18 | AN00624R | CAP.POLY 0.01UF 50V TAPE |
| CE14 | 0244541F | CAPACITOR-CERAMIC 0.01MF-K B 500V | CK19 | AN00624R | CAP.POLY 0.01UF 50V TAPE |
| CE15 | AN00619R | CAP.POLYESTER 0.0047UF 50V TAPE | CK20 | 0890076R | CAP.CERAMIC 150PF-K 50V |
| CE16 | 0800294R | CAP.-ELECTRO. 10UF-M(SMG) 50V | CK21 | 0890076R | CAP.CERAMIC 150PF-K 50V |
| CE24 | 0800294R | CAP.-ELECTRO. 10UF-M(SMG) 50V | CK22 | 0890083R | CAP.-CERAMIC 470PF-K 50V |
| CE25 | AL00027R | CAP.-ELECTORO. 4.7UF-M 250V | CK23 | 0890076R | CAP.CERAMIC 150PF-K 50V |
| CE26 | 0284455R | CEL-101M500WMLT-KMF | CK24 | 0890076R | CAP.CERAMIC 150PF-K 50V |
| CE27 | 0284455R | CEL-101M500WMLT-KMF | CK25 | 0890076R | CAP.CERAMIC 150PF-K 50V |
| CE28 | 0800303R | CAP.-ELECTRO. 22UF-M 50V | CK27 | 0800356N | CAP.-ELECTRO. 470UF-M 50V |
| CE29 | 0800303R | CAP.-ELECTRO. 22UF-M 50V | CK28 | 0800356N | CAP.-ELECTRO. 470UF-M 50V |
| CE30 | 0247848R | CAP.-CERAMIC 56PF-J SL 500V | CK29 | 0890076R | CAP.CERAMIC 150PF-K 50V |
| CE31 | 0247848R | CAP.-CERAMIC 56PF-J SL 500V | CK30 | 0890076R | CAP.CERAMIC 150PF-K 50V |
| CE32 | AL00032R | CAP.ALMI 47UF250V | CK31 | 0890076R | CAP.CERAMIC 150PF-K 50V |
| CE33 | 0244541F | CAPACITOR-CERAMIC 0.01MF-K B 500V | CK32 | 0890076R | CAP.CERAMIC 150PF-K 50V |
| CF01 | 0800326R | CAP.-ELECTRO. 100UF-M 16V | CK33 | 0890076R | CAP.CERAMIC 150PF-K 50V |
| CF02 | 0880196R | CAP.-POLYESTER 0.15UF 50V HFT | CK34 | 0890076R | CAP.CERAMIC 150PF-K 50V |
| CF03 | AN00631R | CAP.POLYESTER 0.033UF 50V TAPE | CK38 | 0880194R | CAP.-POLYESTER 0.1UF-J 50V |
| CF04 | 0880196R | CAP.-POLYESTER 0.15UF 50V HFT | CK39 | 0880194R | CAP.-POLYESTER 0.1UF-J 50V |
| CF05 | 0800291R | CAP.-ELECTRO. 10UF-M(SMG) 16V | CK43 | AN00624R | CAP.POLY 0.01UF 50V TAPE |
| CF08 | AN00614R | CAP.POLYESTER 0.0018UF 50V TAPE | CK71 | 0800294R | CAP.-ELECTRO. 10UF-M(SMG) 50V |
| CF09 | 0245156 | CAPACITOT CERAMIC 22PF/2KV | CL01 | AN00633R | CAP.POLYESTER 0.047UF 50V TAPE |
| CF10 | AN01111F | METALLIZ POLYPROPYLENE FILM CAPACITOR0.001UF | CL02 | AN00633R | CAP.POLYESTER 0.047UF 50V TAPE |
| CF11 | 0255520R | CAP.-ELECTRO 0.47UF 250V(KME) | CL03 | AN00633R | CAP.POLYESTER 0.047UF 50V TAPE |
| CF12 | 0800291R | CAP.-ELECTRO. 10UF-M(SMG) 16V | CL04 | AN00633R | CAP.POLYESTER 0.047UF 50V TAPE |
| CF13 | 0245158 | CAPACITOT CERAMIC 68PF/2KV | CL05 | AN00633R | CAP.POLYESTER 0.047UF 50V TAPE |
| CF14 | 0800291R | CAP.-ELECTRO. 10UF-M(SMG) 16V | CL06 | AN00633R | CAP.POLYESTER 0.047UF 50V TAPE |
| CF18 | AN01137F | METALLIZ POLYPROPYLENE FILM CAPACITOR0.01UF | CL07 | AN00633R | CAP.POLYESTER 0.047UF 50V TAPE |
| CH07 | 0890083R | CAP.-CERAMIC 470PF-K 50V | CL08 | AN00633R | CAP.POLYESTER 0.047UF 50V TAPE |
| ⚠ CH15 | AN01119F | METALLIZ POLYPROPYLENE FILM CAPACITOR0.0022UF | CL09 | 0800326R | CAP.-ELECTRO. 100UF-M 16V |
| CH17 | AL01724 | CAP.ALUMI.160V 390UF KMH(M) | CL10 | AN00637R | CAP.POLYESTER 0.1UF 50V TAPE |
| CH25 | 0279693R | CAP.-POLYESTER FLM 0.1UF | CM01 | 0800299R | CAP.-ELECTRO. 22UF-M(SMG) 16V |

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| SYMBOL NO. | PART NO. | PART DESCRIPTION | SYMBOL NO. | PART NO. | PART DESCRIPTION |
|---|---|---|---|---|---|
| CM02 | AN00624R | CAP.POLY 0.01UF 50V TAPE | CP42 | 0800335R | CAP.-ELECTRO. 220UF-M(SMG) 16V |
| CM03 | 0800279R | CAP.-ELECTORO. 1.0UF-M(SMG) 50V | CP43 | 0800335R | CAP.-ELECTRO. 220UF-M(SMG) 16V |
| CM04 | AN00624R | CAP.POLY 0.01UF 50V TAPE | CP44 | 0800326R | CAP.-ELECTRO. 100UF-M 16V |
| CM05 | AN00624R | CAP.POLY 0.01UF 50V TAPE | CP45 | 0800361N | CAP.-ELECTRO 1000UF 16V |
| CM06 | AN00637R | CAP.POLYESTER 0.1UF 50V TAPE | CP47 | 0244501R | CAP.-CERAMIC 1000PF-K 500V |
| CM09 | AN00624R | CAP.POLY 0.01UF 50V TAPE | CP48 | 0244501R | CAP.-CERAMIC 1000PF-K 500V |
| CM10 | 0800291R | CAP.-ELECTRO. 10UF-M(SMG) 16V | CP49 | 0244501R | CAP.-CERAMIC 1000PF-K 500V |
| CM11 | 0800291R | CAP.-ELECTRO. 10UF-M(SMG) 16V | CS01 | 0800326R | CAP.-ELECTRO. 100UF-M 16V |
| CM12 | 0800317R | CAP.-ELECTRO. 47UF-M(SMG) 16V | CS02 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE |
| CM14 | AN00637R | CAP.POLYESTER 0.1UF 50V TAPE | CS03 | 0800326R | CAP.-ELECTRO. 100UF-M 16V |
| CM15 | AN00637R | CAP.POLYESTER 0.1UF 50V TAPE | CS04 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE |
| CM16 | AN00637R | CAP.POLYESTER 0.1UF 50V TAPE | CS05 | 0800326R | CAP.-ELECTRO. 100UF-M 16V |
| CN01 | 0800279R | CAP.-ELECTORO. 1.0UF-M(SMG) 50V | CS06 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE |
| CN02 | 0800288R | CAP.-ELECTRO. 4.7UF-M(SMG) 50V | CS07 | 0800317R | CAP.-ELECTRO. 47UF-M(SMG) 16V |
| CN03 | AN00631R | CAP.POLYESTER 0.033UF 50V TAPE | CS09 | 0800326R | CAP.-ELECTRO. 100UF-M 16V |
| CN04 | 0890084R | CAP.-CERAMIC 560PF-K 50V | CS14 | 0284638R | CAP.-ELECTRO. 10UF-SME(BP) 16V |
| CN09 | AN00615R | CAP.POLYESTER 0.0022UF 50V TAPE | CS15 | 0284638R | CAP.-ELECTRO. 10UF-SME(BP) 16V |
| ⚠ CP01 | AJ00195F | CAPACITOR CERAMIC 4700P 250V F | CS16 | 0284638R | CAP.-ELECTRO. 10UF-SME(BP) 16V |
| ⚠ CP02 | AJ00195F | CAPACITOR CERAMIC 4700P 250V F | CS17 | 0284638R | CAP.-ELECTRO. 10UF-SME(BP) 16V |
| CP03 | AL01746 | CAP.ALUMI.250V 560UF KMH(M) | CS18 | 0284638R | CAP.-ELECTRO. 10UF-SME(BP) 16V |
| CP04 | AL01746 | CAP.ALUMI.250V 560UF KMH(M) | CS19 | 0284638R | CAP.-ELECTRO. 10UF-SME(BP) 16V |
| CP05 | 0800346R | CAP.-ELECTRO 330UF 35V | CS22 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE |
| CP06 | 0880194R | CAP.-POLYESTER 0.1UF-J 50V | CS23 | 0800317R | CAP.-ELECTRO. 47UF-M(SMG) 16V |
| CP07 | 0890085R | CAP.-CERAMIC 680PF-K 50V | CS25 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE |
| CP09 | 0299616F | CAPACITOR-POLYPROPYLENE FILM 0.0033UF-J 630V | CS26 | 0228054R | CAP 2125 CHIP 100PFJCH 50V TAPE |
| ⚠ CP10 | AJ00182F | CAPACITOT CERAMIC CC-102M401E-DF10F8.5 | CS27 | 0228054R | CAP 2125 CHIP 100PFJCH 50V TAPE |
| CP12 | 0244202R | CAP.-CERAMIC 470PF-K 2KV | CS29 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE |
| CP13 | 0243511R | CAP.-CERAMIC 680PF-K 500V TAPE | CS30 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE |
| CP14 | 0243511R | CAP.-CERAMIC 680PF-K 500V TAPE | CS31 | 0800326R | CAP.-ELECTRO. 100UF-M 16V |
| CP15 | 0244202R | CAP.-CERAMIC 470PF-K 2KV | CS32 | 0800282R | CAP.-ELECTORO. 2.2UF-M(SMG) 50V |
| CP16 | 0243511R | CAP.-CERAMIC 680PF-K 500V TAPE | CS33 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE |
| CP17 | AL01153S | CAP.ELECTR.1000UF-M(YXF)35V | CS34 | 0800282R | CAP.-ELECTORO. 2.2UF-M(SMG) 50V |
| CP18 | AL01153S | CAP.ELECTR.1000UF-M(YXF)35V | CS35 | 0800303R | CAP.-ELECTRO. 22UF-M 50V |
| CP19 | 0243511R | CAP.-CERAMIC 680PF-K 500V TAPE | CS36 | 0800282R | CAP.-ELECTORO. 2.2UF-M(SMG) 50V |
| CP20 | 0880194R | CAP.-POLYESTER 0.1UF-J 50V | CS37 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE |
| CP21 | 0800279R | CAP.-ELECTORO. 1.0UF-M(SMG) 50V | CS38 | 0800282R | CAP.-ELECTORO. 2.2UF-M(SMG) 50V |
| CP22 | 0800279R | CAP.-ELECTORO. 1.0UF-M(SMG) 50V | CS39 | 0800291R | CAP.-ELECTRO. 10UF-M(SMG) 16V |
| CP23 | AL01749 | 120UF 250V KMH(M)ALUMINIUM ELECTROLYTIC CAPA | CS40 | 0893048R | CAP2125CHIP 22000PFKB 50V TAPE |
| CP24 | 0299610F | CAP.-POLYPRO.FILM 0.001UF 630V | CS41 | 0800291R | CAP.-ELECTRO. 10UF-M(SMG) 16V |
| CP25 | 0880194R | CAP.-POLYESTER 0.1UF-J 50V | CS43 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE |
| CP26 | 0800352R | CAP.-ELECTRO.470UF 10V | CS45 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE |
| CP27 | 0880194R | CAP.-POLYESTER 0.1UF-J 50V | CS48 | 0800282R | CAP.-ELECTORO. 2.2UF-M(SMG) 50V |
| CP28 | 0800328R | CAP. ELECTRO. 100UF-M 35V | CS49 | 0800282R | CAP.-ELECTORO. 2.2UF-M(SMG) 50V |
| CP29 | AL01129S | CAP.ELECTROLYTIC 1000UF-M(YXF)16V | CS50 | 0880198R | CAP.-PLOY. 0.22UF-J 50V |
| CP30 | 0284405R | CAP.-ELECTRO. 220UF-M 16V | CS51 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE |
| CP31 | 0800353R | CAP.-ELECTRO.470UF-M 16V | CS52 | 0893051R | CAP2125CHIP 33000PFKB 50V TAPE |
| CP32 | 0800353R | CAP.-ELECTRO.470UF-M 16V | CS53 | 0893053R | CAP2125CHIP 47000PFKB 50V TAPE |
| CP33 | AL01723 | CAP.ALUMI.160V 330UF KMH(M) | CS54 | 0893043R | CAP 2125CHIP 8200PFKB 50V TAPE |
| CP34 | 0800317R | CAP.-ELECTRO. 47UF-M(SMG) 16V | CS55 | 0893015R | CAP 2125CHIP 12000PFKB 25V TAPE |
| CP35 | 0800303R | CAP.-ELECTRO. 22UF-M 50V | CS56 | 0893036R | CAP 2125CHIP 2700PFKB 50V TAPE |
| CP36 | 0880198R | CAP.-PLOY. 0.22UF-J 50V | CS57 | 0893038R | CAP 2125CHIP 3900PFKB 50V TAPE |
| CP37 | 0880198R | CAP.-PLOY. 0.22UF-J 50V | CS58 | 0228076R | CAPACITOR MINI-CHIP 820PF-J CH 50V TAPE |
| CP38 | 0800355N | CAP.ELECTRO. 470UF-M 35V | CS59 | 0893032R | CAP 2125CHIP 1200PFKB 50V TAPE |
| CP39 | 0800355N | CAP.ELECTRO. 470UF-M 35V | CS60 | 0880198R | CAP.-PLOY. 0.22UF-J 50V |
| CP40 | 0284438F | CAP.-ELECTRO. 330UF-M 35V | CS61 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE |
| CP41 | 0284438F | CAP.-ELECTRO. 330UF-M 35V | CS62 | 0893051R | CAP2125CHIP 33000PFKB 50V TAPE |

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| SYMBOL NO. | PART NO. | PART DESCRIPTION | SYMBOL NO. | PART NO. | PART DESCRIPTION |
|---|---|---|---|---|---|
| CS63 | 0893053R | CAP2125CHIP 47000PFKB 50V TAPE | CSH3 | 0893048R | CAP2125CHIP 22000PFKB 50V TAPE |
| CS64 | 0893043R | CAP 2125CHIP 8200PFKB 50V TAPE | CSH4 | 0800291R | CAP.-ELECTRO. 10UF-M(SMG) 16V |
| CS65 | 0893015R | CAP 2125CHIP 12000PFKB 25V TAPE | CSH6 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE |
| CS66 | 0893036R | CAP 2125CHIP 2700PFKB 50V TAPE | CSH8 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE |
| CS67 | 0893038R | CAP 2125CHIP 3900PFKB 50V TAPE | CSJ2 | 0800279R | CAP.-ELECTORO. 1.0UF-M(SMG) 50V |
| CS68 | 0228076R | CAPACITOR MINI-CHIP 820PF-J CH 50V TAPE | CSJ3 | 0800279R | CAP.-ELECTORO. 1.0UF-M(SMG) 50V |
| CS69 | 0893032R | CAP 2125CHIP 1200PFKB 50V TAPE | CSJ4 | 0800279R | CAP.-ELECTORO. 1.0UF-M(SMG) 50V |
| CS70 | 0800282R | CAP.-ELECTORO. 2.2UF-M(SMG) 50V | CSJ5 | 0800279R | CAP.-ELECTORO. 1.0UF-M(SMG) 50V |
| CS71 | 0800282R | CAP.-ELECTORO. 2.2UF-M(SMG) 50V | CSJ6 | 0893031R | CAP 2125CHIP 1000PFKB 50V TAPE |
| CS72 | 0800303R | CAP.-ELECTRO. 22UF-M 50V | CSJ7 | 0893031R | CAP 2125CHIP 1000PFKB 50V TAPE |
| CS73 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE | CSJ8 | 0800317R | CAP.-ELECTRO. 47UF-M(SMG) 16V |
| CS74 | 0800326R | CAP.-ELECTRO. 100UF-M 16V | CSJ9 | 0800279R | CAP.-ELECTORO. 1.0UF-M(SMG) 50V |
| CS75 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE | CSK1 | 0800279R | CAP.-ELECTORO. 1.0UF-M(SMG) 50V |
| CS79 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE | CSK2 | 0800318R | CAP.-ELECTRO. 47UF-M 25V |
| CS80 | 0880195R | CAP.-POLYESTER 0.12UF-J 50V TAPE | CSK3 | 0800318R | CAP.-ELECTRO. 47UF-M 25V |
| CS81 | 0893092R | CAP2125CHIP 56000PFKB 50V TAPE | CSK4 | 0800327R | CAP.-ELECTRO. 100UF-M 25V |
| CS84 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE | CSK5 | 0800327R | CAP.-ELECTRO. 100UF-M 25V |
| CS85 | 0228054R | CAP 2125 CHIP 100PFJCH 50V TAPE | CSK6 | 0800318R | CAP.-ELECTRO. 47UF-M 25V |
| CS86 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE | CSK7 | 0284824F | CAP.-ELECTRO. 2200UF 35V SMG |
| CS88 | 0228054R | CAP 2125 CHIP 100PFJCH 50V TAPE | CSK8 | 0880198R | CAP.-PLOY. 0.22UF-J 50V |
| CS89 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE | CSK9 | 0284824F | CAP.-ELECTRO. 2200UF 35V SMG |
| CS90 | 0800326R | CAP.-ELECTRO. 100UF-M 16V | CSL1 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE |
| CS91 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE | CSL2 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE |
| CS92 | 0800282R | CAP.-ELECTORO. 2.2UF-M(SMG) 50V | CSL3 | 0284824F | CAP.-ELECTRO. 2200UF 35V SMG |
| CS93 | 0800303R | CAP.-ELECTRO. 22UF-M 50V | CSL4 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE |
| CS94 | 0800282R | CAP.-ELECTORO. 2.2UF-M(SMG) 50V | CSL5 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE |
| CS95 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE | CSM1 | 0800279R | CAP.-ELECTORO. 1.0UF-M(SMG) 50V |
| CS96 | 0800291R | CAP.-ELECTRO. 10UF-M(SMG) 16V | CSM2 | 0800279R | CAP.-ELECTORO. 1.0UF-M(SMG) 50V |
| CS97 | 0893048R | CAP2125CHIP 22000PFKB 50V TAPE | CSM3 | 0800279R | CAP.-ELECTORO. 1.0UF-M(SMG) 50V |
| CS98 | 0800291R | CAP.-ELECTRO. 10UF-M(SMG) 16V | CSM4 | 0800279R | CAP.-ELECTORO. 1.0UF-M(SMG) 50V |
| CSA2 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE | CSM5 | 0893031R | CAP 2125CHIP 1000PFKB 50V TAPE |
| CSA5 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE | CSM6 | 0893031R | CAP 2125CHIP 1000PFKB 50V TAPE |
| CSA6 | 0800282R | CAP.-ELECTORO. 2.2UF-M(SMG) 50V | CSM7 | 0800317R | CAP.-ELECTRO. 47UF-M(SMG) 16V |
| CSA7 | 0880198R | CAP.-PLOY. 0.22UF-J 50V | CSM8 | 0800279R | CAP.-ELECTORO. 1.0UF-M(SMG) 50V |
| CSA8 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE | CSM9 | 0800279R | CAP.-ELECTORO. 1.0UF-M(SMG) 50V |
| CSA9 | 0893051R | CAP2125CHIP 33000PFKB 50V TAPE | CSN1 | 0800318R | CAP.-ELECTRO. 47UF-M 25V |
| CSC1 | 0893053R | CAP2125CHIP 47000PFKB 50V TAPE | CSN2 | 0800318R | CAP.-ELECTRO. 47UF-M 25V |
| CSC2 | 0893043R | CAP 2125CHIP 8200PFKB 50V TAPE | CSN3 | 0800327R | CAP.-ELECTRO. 100UF-M 25V |
| CSC3 | 0893015R | CAP 2125CHIP 12000PFKB 25V TAPE | CSN4 | 0800327R | CAP.-ELECTRO. 100UF-M 25V |
| CSC4 | 0893036R | CAP 2125CHIP 2700PFKB 50V TAPE | CSN5 | 0800318R | CAP.-ELECTRO. 47UF-M 25V |
| CSC5 | 0893038R | CAP 2125CHIP 3900PFKB 50V TAPE | CSN6 | 0284824F | CAP.-ELECTRO. 2200UF 35V SMG |
| CSC6 | 0228076R | CAPACITOR MINI-CHIP 820PF-J CH 50V TAPE | CSN7 | 0880198R | CAP.-PLOY. 0.22UF-J 50V |
| CSC7 | 0893032R | CAP 2125CHIP 1200PFKB 50V TAPE | CSN8 | 0284824F | CAP.-ELECTRO. 2200UF 35V SMG |
| CSE5 | 0893044R | CAP2125CHIP 10000PFKB 50V TAPE | CSN9 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE |
| CSE9 | 0800282R | CAP.-ELECTORO. 2.2UF-M(SMG) 50V | CSP1 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE |
| CSF1 | 0800303R | CAP.-ELECTRO. 22UF-M 50V | CSP2 | 0284824F | CAP.-ELECTRO. 2200UF 35V SMG |
| CSF2 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE | CSP3 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE |
| CSF3 | 0800326R | CAP.-ELECTRO. 100UF-M 16V | CSP4 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE |
| CSF4 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE | CSP7 | 0893053R | CAP2125CHIP 47000PFKB 50V TAPE |
| CSF5 | 0800326R | CAP.-ELECTRO. 100UF-M 16V | CSP8 | 0800363N | CAP.-ELECTRO. 1000UF 35V |
| CSF6 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE | CSP9 | 0893053R | CAP2125CHIP 47000PFKB 50V TAPE |
| CSF7 | 0800282R | CAP.-ELECTORO. 2.2UF-M(SMG) 50V | CSR1 | 0800363N | CAP.-ELECTRO. 1000UF 35V |
| CSF8 | 0800303R | CAP.-ELECTRO. 22UF-M 50V | CSR2 | AN00637R | CAP.POLYESTER 0.1UF 50V TAPE |
| CSF9 | 0800282R | CAP.-ELECTORO. 2.2UF-M(SMG) 50V | CSR3 | 0800317R | CAP.-ELECTRO. 47UF-M(SMG) 16V |
| CSH1 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE | CSR4 | 0284638R | CAP.-ELECTRO. 10UF-SME(BP) 16V |
| CSH2 | 0800291R | CAP.-ELECTRO. 10UF-M(SMG) 16V | CSR5 | 0800291R | CAP.-ELECTRO. 10UF-M(SMG) 16V |

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| SYMBOL NO. | PART NO. | PART DESCRIPTION | SYMBOL NO. | PART NO. | PART DESCRIPTION |
|---|---|---|---|---|---|
| CSR6 | 0284638R | CAP.-ELECTRO. 10UF-SME(BP) 16V | CX34 | 0284634R | CAP.-ELECTRO 4.7UF-SME(BP) 50V |
| CSR7 | 0800291R | CAP.-ELECTRO. 10UF-M(SMG) 16V | CX35 | 0800324R | CAP.-ELECTRO. 100UF-M(SMG) 6.3V |
| CSR8 | 0800326R | CAP.-ELECTRO. 100UF-M 16V | CX36 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE |
| CSR9 | 0800291R | CAP.-ELECTRO. 10UF-M(SMG) 16V | CX37 | 0893044R | CAP2125CHIP 10000PFKB 50V TAPE |
| CST1 | 0800291R | CAP.-ELECTRO. 10UF-M(SMG) 16V | CX38 | 0893044R | CAP2125CHIP 10000PFKB 50V TAPE |
| CST2 | 0893044R | CAP2125CHIP 10000PFKB 50V TAPE | CX39 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE |
| CST3 | 0893044R | CAP2125CHIP 10000PFKB 50V TAPE | CX40 | 0800326R | CAP.-ELECTRO. 100UF-M 16V |
| CST4 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE | CX43 | 0800326R | CAP.-ELECTRO. 100UF-M 16V |
| CST5 | 0800318R | CAP.-ELECTRO. 47UF-M 25V | CX44 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE |
| CST6 | 0228038R | CAP 2125CHIP 22PFJCH 50V TAPE | CX45 | 0284638R | CAP.-ELECTRO. 10UF-SME(BP) 16V |
| CST7 | 0893044R | CAP2125CHIP 10000PFKB 50V TAPE | CX47 | 0284638R | CAP.-ELECTRO. 10UF-SME(BP) 16V |
| CST8 | 0800309R | CAP.-ELECTRO 33UF-M(SMG) 25V | CX49 | 0284638R | CAP.-ELECTRO. 10UF-SME(BP) 16V |
| CSW1 | 0893044R | CAP2125CHIP 10000PFKB 50V TAPE | CX51 | 0284638R | CAP.-ELECTRO. 10UF-SME(BP) 16V |
| CSW2 | 0800291R | CAP.-ELECTRO. 10UF-M(SMG) 16V | CX53 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE |
| CSW3 | 0800291R | CAP.-ELECTRO. 10UF-M(SMG) 16V | CX57 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE |
| CSW4 | 0800291R | CAP.-ELECTRO. 10UF-M(SMG) 16V | CX59 | 0893062R | CAP2125CHIP 1000000PFZF16V TAPE |
| CSW7 | 0284634R | CAP.-ELECTRO 4.7UF-SME(BP) 50V | CX60 | 0893062R | CAP2125CHIP 1000000PFZF16V TAPE |
| CSW8 | 0800288R | CAP.-ELECTRO. 4.7UF-M(SMG) 50V | CX61 | 0893062R | CAP2125CHIP 1000000PFZF16V TAPE |
| CSW9 | 0800326R | CAP.-ELECTRO. 100UF-M 16V | CX62 | 0893062R | CAP2125CHIP 1000000PFZF16V TAPE |
| CSX1 | 0800291R | CAP.-ELECTRO. 10UF-M(SMG) 16V | CX63 | 0800326R | CAP.-ELECTRO. 100UF-M 16V |
| CSX2 | 0800291R | CAP.-ELECTRO. 10UF-M(SMG) 16V | CX64 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE |
| CSX3 | 0284634R | CAP.-ELECTRO 4.7UF-SME(BP) 50V | CX65 | 0800317R | CAP.-ELECTRO. 47UF-M(SMG) 16V |
| CSX4 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE | CX66 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE |
| CSX6 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE | CX69 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE |
| CSX9 | 0800291R | CAP.-ELECTRO. 10UF-M(SMG) 16V | CX70 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE |
| CSY1 | 0800291R | CAP.-ELECTRO. 10UF-M(SMG) 16V | CX73 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE |
| CSY2 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE | CX74 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE |
| CSY4 | 0800291R | CAP.-ELECTRO. 10UF-M(SMG) 16V | CX78 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE |
| CSY5 | 0800315R | CAP.-ELECTRO. 47UF-M(SMG) 6.3V | CX79 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE |
| CSY6 | 0228054R | CAP 2125 CHIP 100PFJCH 50V TAPE | CX80 | 0800317R | CAP.-ELECTRO. 47UF-M(SMG) 16V |
| CSY7 | 0228054R | CAP 2125 CHIP 100PFJCH 50V TAPE | CX81 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE |
| CSZ5 | AN00637 | PLASTIC FILM CAPACITOR(0.1UF 50V ) | CX85 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE |
| CX01 | 0800317R | CAP.-ELECTRO. 47UF-M(SMG) 16V | | | |
| CX03 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE | | | **DIODES** |
| CX05 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE | D001 | 2331849M | ZENER HZ12C3 (TA) SI 500MW |
| CX06 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE | D002 | 2331849M | ZENER HZ12C3 (TA) SI 500MW |
| CX07 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE | D003 | 2331849M | ZENER HZ12C3 (TA) SI 500MW |
| CX08 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE | D004 | 2331849M | ZENER HZ12C3 (TA) SI 500MW |
| CX09 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE | D005 | 2331849M | ZENER HZ12C3 (TA) SI 500MW |
| CX10 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE | D007 | CH02001M | DIODE 1SR139-400 |
| CX11 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE | D008 | 2344041M | DIODE 1SS254TA/1SS270TA |
| CX12 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE | D009 | 2344041M | DIODE 1SS254TA/1SS270TA |
| CX13 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE | D010 | 2331849M | ZENER HZ12C3 (TA) SI 500MW |
| CX14 | 0800282R | CAP.-ELECTORO. 2.2UF-M(SMG) 50V | D012 | 2344041M | DIODE 1SS254TA/1SS270TA |
| CX15 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE | D014 | CH02001M | DIODE 1SR139-400 |
| CX17 | 0800282R | CAP.-ELECTORO. 2.2UF-M(SMG) 50V | D015 | CH02001M | DIODE 1SR139-400 |
| CX18 | 0800279R | CAP.-ELECTORO. 1.0UF-M(SMG) 50V | D016 | CH02001M | DIODE 1SR139-400 |
| CX19 | 0893044R | CAP2125CHIP 10000PFKB 50V TAPE | D017 | 2331827M | ZENER DIODE HZ-9 TAPE (C1) SI 500MW 9.3V |
| CX20 | 0800326R | CAP.-ELECTRO. 100UF-M 16V | D018 | 2331827M | ZENER DIODE HZ-9 TAPE (C1) SI 500MW 9.3V |
| CX21 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE | D020 | 2344041M | DIODE 1SS254TA/1SS270TA |
| CX22 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE | D021 | 2344041M | DIODE 1SS254TA/1SS270TA |
| CX23 | 0800326R | CAP.-ELECTRO. 100UF-M 16V | D023 | 2344041M | DIODE 1SS254TA/1SS270TA |
| CX25 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE | D024 | 2344041M | DIODE 1SS254TA/1SS270TA |
| CX27 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE | D025 | 2344041M | DIODE 1SS254TA/1SS270TA |
| CX31 | 0800291R | CAP.-ELECTRO. 10UF-M(SMG) 16V | D027 | 2344041M | DIODE 1SS254TA/1SS270TA |
| CX32 | 0800288R | CAP.-ELECTRO. 4.7UF-M(SMG) 50V | D028 | 2344041M | DIODE 1SS254TA/1SS270TA |
| CX33 | 0893027R | CAP 2125 CHIP 100000PF-K B 25V TAPE | D029 | 2344041M | DIODE 1SS254TA/1SS270TA |

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| SYMBOL NO. | PART NO. | PART DESCRIPTION |
|---|---|---|
| D030 | 2344041M | DIODE 1SS254TA/1SS270TA |
| D031 | 2344041M | DIODE 1SS254TA/1SS270TA |
| D032 | CH02001M | DIODE 1SR139-400 |
| D034 | 2344041M | DIODE 1SS254TA/1SS270TA |
| D035 | 2331779M | ZENER DIODE HZ3C3 |
| D036 | 2331849M | ZENER HZ12C3 (TA) SI 500MW |
| D037 | 2331809M | ZENER DIODE HZ-6 TAPE (C3) SI 500MW |
| D038 | 2344041M | DIODE 1SS254TA/1SS270TA |
| D201 | 2335991M | ZENER HZ-T33 (02 TP) |
| D202 | 2335991M | ZENER HZ-T33 (02 TP) |
| D203 | 2331849M | ZENER HZ12C3 (TA) SI 500MW |
| D205 | 2344041M | DIODE 1SS254TA/1SS270TA |
| D206 | 2344041M | DIODE 1SS254TA/1SS270TA |
| D601 | 2344041M | DIODE 1SS254TA/1SS270TA |
| D609 | CH02001M | DIODE 1SR139-400 |
| D610 | CH02001M | DIODE 1SR139-400 |
| D611 | CH02001M | DIODE 1SR139-400 |
| D612 | 2331154M | ZENER HZ-12 (A1-3 B1-3.TA) SI 200MA 14.3V |
| D614 | CH02011M | DIODE 1SR153-400 |
| D615 | 2344041M | DIODE 1SS254TA/1SS270TA |
| D616 | 2334305M | ZENER RD30E (B4 T2/TP/TA) SI 5MA 30.51V |
| D651 | 2344041M | DIODE 1SS254TA/1SS270TA |
| D652 | 2344041M | DIODE 1SS254TA/1SS270TA |
| D653 | 2344041M | DIODE 1SS254TA/1SS270TA |
| D654 | CH02011M | DIODE 1SR153-400 |
| D655 | CH02011M | DIODE 1SR153-400 |
| ⚠ D656 | 2349861 | DIODE FMU-G16S |
| ⚠ D657 | 2349861 | DIODE FMU-G16S |
| D661 | CH02011M | DIODE 1SR153-400 |
| D662 | 2344041M | DIODE 1SS254TA/1SS270TA |
| D663 | 2339839M | ZENER HZS5C3 TAPE |
| D664 | 2334243M | ZENER RD16E (B2 T2/TP/TA) SI 10MA 16.51V |
| D666 | 2334243M | ZENER RD16E (B2 T2/TP/TA) SI 10MA 16.51V |
| D702 | 2339882M | ZENER DIODE HZS-12(A2) TAPE |
| D703 | 2331807M | ZENER DIODE HZ-6 TAPE (C1) SI 500MW 6.1V |
| D705 | 2339855M | ZENER DIODE HZS-7 (B2) TAPE SI 7V |
| D751 | 2344041M | DIODE 1SS254TA/1SS270TA |
| ⚠ D752 | CH02161 | DIODE FMQ-G2FLS (1500V) |
| D753 | 2344041M | DIODE 1SS254TA/1SS270TA |
| D754 | 2339952M | ZENER DIODE HZS27.2 TA |
| D755 | 2339826M | ZENER HZS4B3 TAPE |
| D756 | 2344041M | DIODE 1SS254TA/1SS270TA |
| ⚠ D759 | CH02001M | DIODE 1SR139-400 |
| D760 | CH02011M | DIODE 1SR153-400 |
| D762 | 2339882M | ZENER DIODE HZS-12(A2) TAPE |
| D801 | 2331849M | ZENER HZ12C3 (TA) SI 500MW |
| D802 | 2344041M | DIODE 1SS254TA/1SS270TA |
| D803 | 2344041M | DIODE 1SS254TA/1SS270TA |
| D804 | 2344041M | DIODE 1SS254TA/1SS270TA |
| D806 | 2344041M | DIODE 1SS254TA/1SS270TA |
| D808 | 2344041M | DIODE 1SS254TA/1SS270TA |
| D813 | 2348432M | DIODE RMPG06G |
| D814 | 2348432M | DIODE RMPG06G |
| D815 | 2348432M | DIODE RMPG06G |
| D816 | 2348432M | DIODE RMPG06G |
| D851 | 2331849M | ZENER HZ12C3 (TA) SI 500MW |

| SYMBOL NO. | PART NO. | PART DESCRIPTION |
|---|---|---|
| D852 | 2344041M | DIODE 1SS254TA/1SS270TA |
| D853 | 2344041M | DIODE 1SS254TA/1SS270TA |
| D854 | 2344041M | DIODE 1SS254TA/1SS270TA |
| D856 | 2344041M | DIODE 1SS254TA/1SS270TA |
| D858 | 2344041M | DIODE 1SS254TA/1SS270TA |
| D863 | 2348432M | DIODE RMPG06G |
| D864 | 2348432M | DIODE RMPG06G |
| D865 | 2348432M | DIODE RMPG06G |
| D866 | 2348432M | DIODE RMPG06G |
| D8A1 | 2331849M | ZENER HZ12C3 (TA) SI 500MW |
| D8A2 | 2344041M | DIODE 1SS254TA/1SS270TA |
| D8A3 | 2344041M | DIODE 1SS254TA/1SS270TA |
| D8A4 | 2344041M | DIODE 1SS254TA/1SS270TA |
| D8A5 | 2344041M | DIODE 1SS254TA/1SS270TA |
| D8A6 | 2344041M | DIODE 1SS254TA/1SS270TA |
| D8C3 | 2348432M | DIODE RMPG06G |
| D8C4 | 2348432M | DIODE RMPG06G |
| D8C5 | 2348432M | DIODE RMPG06G |
| D8C6 | 2348432M | DIODE RMPG06G |
| ⚠ D901 | 2338313 | DIODE RBV-406M (60V) SI 0.1USEC |
| D902 | CH02001M | DIODE 1SR139-400 |
| D903 | CH00183R | LIGHT EMITTING DIODE (SLZ-981C-06-T1) |
| D904 | 2334304M | ZENER RD30E (B3 T2/TP/TA) SI 5MA 30.51V |
| D905 | CH02011M | DIODE 1SR153-400 |
| D906 | 2344041M | DIODE 1SS254TA/1SS270TA |
| D908 | 2331795M | ZENER HZ-5 (B2 TAPE) SI 200MA 4.9V |
| D909 | CH02001M | DIODE 1SR139-400 |
| D910 | 2337952S | DIODE RU4YX(LF015-302) |
| D911 | 2337952S | DIODE RU4YX(LF015-302) |
| D912 | CH00182R | LIGHT EMITTING DIODE (SLZ-381C-06-T1) |
| D913 | CH00182R | LIGHT EMITTING DIODE (SLZ-381C-06-T1) |
| D914 | CH02001M | DIODE 1SR139-400 |
| D915 | 2338532M | DIODE EG01A (V1) |
| D917 | CH02001M | DIODE 1SR139-400 |
| D918 | 2337952S | DIODE RU4YX(LF015-302) |
| D919 | 2338532M | DIODE EG01A (V1) |
| D920 | CH02001M | DIODE 1SR139-400 |
| D921 | 2339882M | ZENER DIODE HZS-12(A2) TAPE |
| D922 | CH02001M | DIODE 1SR139-400 |
| D923 | 2339846M | ZENER HZS6B3 TA |
| D926 | CH01042M | DIODE RK34 (40V) |
| D927 | CH00182R | LIGHT EMITTING DIODE (SLZ-381C-06-T1) |
| D928 | 2344041M | DIODE 1SS254TA/1SS270TA |
| D929 | CH01042M | DIODE RK34 (40V) |
| D930 | CH01042M | DIODE RK34 (40V) |
| D931 | CH00182R | LIGHT EMITTING DIODE (SLZ-381C-06-T1) |
| D932 | 2339852M | ZENER HZS7-A2 TA |
| D933 | 2344041M | DIODE 1SS254TA/1SS270TA |
| D934 | CH01042M | DIODE RK34 (40V) |
| D935 | 2339892M | DIODE (HZS15-2TA) |
| D936 | 2344041M | DIODE 1SS254TA/1SS270TA |
| D938 | 2339875M | ZENER HZS11B2 TA |
| D939 | 2339836M | ZENER HZS-5 B3 |
| D940 | 2344041M | DIODE 1SS254TA/1SS270TA |
| D941 | 2339892M | DIODE (HZS15-2TA) |
| D942 | 2339836M | ZENER HZS-5 B3 |

PRODUCT SERVICE NOTE: Components marked with a ⚠ have special characteristics important to safety. Before replacing any of these components, read carefully, the PRODUCT SAFETY NOTICE of this Service Manual. Don't degrade the safety of the receiver through improper servicing.

| SYMBOL NO. | PART NO. | PART DESCRIPTION |
|---|---|---|
| D943 | CH02001M | DIODE 1SR139-400 |
| D944 | CH02001M | DIODE 1SR139-400 |
| D945 | 2344041M | DIODE 1SS254TA/1SS270TA |
| D946 | 2344041M | DIODE 1SS254TA/1SS270TA |
| D947 | 2339861M | ZENER HZS-9 A1 |
| D948 | 2344041M | DIODE 1SS254TA/1SS270TA |
| D949 | CH00182R | LIGHT EMITTING DIODE (SLZ-381C-06-T1) |
| D950 | 2339836M | ZENER HZS-5 B3 |
| D951 | 2344041M | DIODE 1SS254TA/1SS270TA |
| D952 | 2344041M | DIODE 1SS254TA/1SS270TA |
| D953 | 2344041M | DIODE 1SS254TA/1SS270TA |
| D954 | 2344041M | DIODE 1SS254TA/1SS270TA |
| D955 | 2344041M | DIODE 1SS254TA/1SS270TA |
| D956 | 2339836M | ZENER HZS-5 B3 |
| D957 | 2344041M | DIODE 1SS254TA/1SS270TA |
| D958 | 2339821M | ZENER HZS4A1 TA |
| D959 | 2344041M | DIODE 1SS254TA/1SS270TA |
| D960 | 2339817M | ZENER HZS3C1 TA |
| DC01 | 2344041M | DIODE 1SS254TA/1SS270TA |
| DC02 | 2344041M | DIODE 1SS254TA/1SS270TA |
| DC03 | 2344041M | DIODE 1SS254TA/1SS270TA |
| DC04 | 2344041M | DIODE 1SS254TA/1SS270TA |
| DC05 | 2344041M | DIODE 1SS254TA/1SS270TA |
| DC06 | 2344041M | DIODE 1SS254TA/1SS270TA |
| DC07 | 2344041M | DIODE 1SS254TA/1SS270TA |
| DC08 | 2344041M | DIODE 1SS254TA/1SS270TA |
| DC09 | 2344041M | DIODE 1SS254TA/1SS270TA |
| DC10 | 2344041M | DIODE 1SS254TA/1SS270TA |
| DE01 | 2331849M | ZENER HZ12C3 (TA) SI 500MW |
| DE02 | 2335183M | ZENER HZ-20 (2L TP) SI 200MA |
| DE03 | 2331913M | DIODE 1SS83 (TAPE) |
| DE04 | 2331913M | DIODE 1SS83 (TAPE) |
| DE05 | 2331913M | DIODE 1SS83 (TAPE) |
| DE06 | 2331913M | DIODE 1SS83 (TAPE) |
| DE17 | 2344041M | DIODE 1SS254TA/1SS270TA |
| DE18 | 2344041M | DIODE 1SS254TA/1SS270TA |
| DF01 | 2344041M | DIODE 1SS254TA/1SS270TA |
| DF02 | 2344041M | DIODE 1SS254TA/1SS270TA |
| DF03 | 2344041M | DIODE 1SS254TA/1SS270TA |
| DF04 | 2344041M | DIODE 1SS254TA/1SS270TA |
| DF05 | 2338531M | DIODE EG-01C (V) SI 0.5A |
| DF07 | CH00041M | DIODE ES1FV1 (1500V) |
| DF08 | CH00041M | DIODE ES1FV1 (1500V) |
| DH01 | 2339839M | ZENER HZS5C3 TAPE |
| DH08 | 2344041M | DIODE 1SS254TA/1SS270TA |
| DH09 | 2339551M | DIODE ED14(V1) SI 5MA 45V |
| DH11 | 2337361F | DIODE RU4D LF-20 |
| DH15 | 2344041M | DIODE 1SS254TA/1SS270TA |
| DH17 | CH02001M | DIODE 1SR139-400 |
| DH20 | CH02001M | DIODE 1SR139-400 |
| DH21 | 2344041M | DIODE 1SS254TA/1SS270TA |
| ⚠ DH24 | CH00031M | DIODE AU02V1(280V) |
| DH25 | 2339862M | ZENER HZS-9A2 TA |
| DH26 | 2339863M | ZENER HZS9A3 TA |
| DH27 | 2344041M | DIODE 1SS254TA/1SS270TA |
| DH28 | 2339831M | ZENER HZS5 A1 TA SI 400MW 5V |
| DH30 | 2344041M | DIODE 1SS254TA/1SS270TA |
| ⚠ DH31 | 2335042M | ZENER HZ-22 (2L TP) SI 200MA 400MW |
| DH33 | 2334305M | ZENER RD30E (B4 T2/TP/TA) SI 5MA 30.51V |
| DH40 | 2344041M | DIODE 1SS254TA/1SS270TA |
| DH41 | 2334243M | ZENER RD16E (B2 T2/TP/TA) SI 10MA 16.51V |
| DH42 | 2334315M | ZENER DIODE RD33E TAPE (B4) |
| DH43 | 2339802M | ZENER DIODE HZS2B2 TAPE |
| DH44 | 2339839M | ZENER HZS5C3 TAPE |
| DH47 | 2344041M | DIODE 1SS254TA/1SS270TA |
| DH80 | 2344041M | DIODE 1SS254TA/1SS270TA |
| DK01 | 2339551M | DIODE ED14(V1) SI 5MA 45V |
| DK04 | CH02011M | DIODE 1SR153-400 |
| DK05 | CH02011M | DIODE 1SR153-400 |
| DK16 | 2334324M | ZENER DIODE RD36E TAPE (B3) SI 500MW 36V |
| DK17 | 2334324M | ZENER DIODE RD36E TAPE (B3) SI 500MW 36V |
| DK18 | 2334324M | ZENER DIODE RD36E TAPE (B3) SI 500MW 36V |
| DK19 | 2334324M | ZENER DIODE RD36E TAPE (B3) SI 500MW 36V |
| DK20 | 2334324M | ZENER DIODE RD36E TAPE (B3) SI 500MW 36V |
| DK21 | 2334324M | ZENER DIODE RD36E TAPE (B3) SI 500MW 36V |
| DK22 | 2334324M | ZENER DIODE RD36E TAPE (B3) SI 500MW 36V |
| DK23 | 2334324M | ZENER DIODE RD36E TAPE (B3) SI 500MW 36V |
| DK24 | 2334324M | ZENER DIODE RD36E TAPE (B3) SI 500MW 36V |
| DK25 | 2334324M | ZENER DIODE RD36E TAPE (B3) SI 500MW 36V |
| DK26 | 2334324M | ZENER DIODE RD36E TAPE (B3) SI 500MW 36V |
| DK27 | 2334324M | ZENER DIODE RD36E TAPE (B3) SI 500MW 36V |
| DK30 | 2331815M | ZENER HZ7-B2 |
| DK31 | 2331815M | ZENER HZ7-B2 |
| DK32 | 2331815M | ZENER HZ7-B2 |
| DK33 | 2331815M | ZENER HZ7-B2 |
| DK34 | 2331815M | ZENER HZ7-B2 |
| DK35 | 2331815M | ZENER HZ7-B2 |
| DK36 | 2331815M | ZENER HZ7-B2 |
| DK37 | 2331815M | ZENER HZ7-B2 |
| DK39 | 2344041M | DIODE 1SS254TA/1SS270TA |
| DK41 | 2331806M | ZENER DIODE HZ-6 TAPE (B3) SI 500MW |
| DK42 | 2331815M | ZENER HZ7-B2 |
| DK43 | 2331806M | ZENER DIODE HZ-6 TAPE (B3) SI 500MW |
| DK71 | 2344041M | DIODE 1SS254TA/1SS270TA |
| DK72 | 2344041M | DIODE 1SS254TA/1SS270TA |
| DL01 | 2331815M | ZENER HZ7-B2 |
| DL02 | 2331815M | ZENER HZ7-B2 |
| DL03 | 2331815M | ZENER HZ7-B2 |
| DL04 | 2331815M | ZENER HZ7-B2 |
| DL05 | 2331815M | ZENER HZ7-B2 |
| DL06 | 2331815M | ZENER HZ7-B2 |
| DL07 | 2331815M | ZENER HZ7-B2 |
| DL08 | 2331815M | ZENER HZ7-B2 |
| DL10 | 2344041M | DIODE 1SS254TA/1SS270TA |
| DL11 | 2344041M | DIODE 1SS254TA/1SS270TA |
| DL12 | 2344041M | DIODE 1SS254TA/1SS270TA |
| DL13 | 2344041M | DIODE 1SS254TA/1SS270TA |
| DL14 | 2344041M | DIODE 1SS254TA/1SS270TA |
| DL15 | 2344041M | DIODE 1SS254TA/1SS270TA |
| DL16 | 2344041M | DIODE 1SS254TA/1SS270TA |
| DL17 | 2344041M | DIODE 1SS254TA/1SS270TA |
| DL20 | 2331809M | ZENER DIODE HZ-6 TAPE (C3) SI 500MW |

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| SYMBOL NO. | PART NO. | PART DESCRIPTION |
|---|---|---|
| DL21 | 2331809M | ZENER DIODE HZ-6 TAPE (C3) SI 500MW |
| DL22 | 2331809M | ZENER DIODE HZ-6 TAPE (C3) SI 500MW |
| DL23 | 2331809M | ZENER DIODE HZ-6 TAPE (C3) SI 500MW |
| DL24 | 2331809M | ZENER DIODE HZ-6 TAPE (C3) SI 500MW |
| DL25 | 2331809M | ZENER DIODE HZ-6 TAPE (C3) SI 500MW |
| DL26 | 2331809M | ZENER DIODE HZ-6 TAPE (C3) SI 500MW |
| DL27 | 2331809M | ZENER DIODE HZ-6 TAPE (C3) SI 500MW |
| DL28 | 2331824M | ZENER HZ9B1 TA |
| DL30 | 2331824M | ZENER HZ9B1 TA |
| DL31 | 2331824M | ZENER HZ9B1 TA |
| DL32 | 2331824M | ZENER HZ9B1 TA |
| DL33 | 2331824M | ZENER HZ9B1 TA |
| DL34 | 2331824M | ZENER HZ9B1 TA |
| DL35 | 2331824M | ZENER HZ9B1 TA |
| DL36 | 2331824M | ZENER HZ9B1 TA |
| DL37 | 2331824M | ZENER HZ9B1 TA |
| DM01 | 2344041M | DIODE 1SS254TA/1SS270TA |
| DM02 | 2344041M | DIODE 1SS254TA/1SS270TA |
| DM03 | CH00231 | LED SLH-56VC3F |
| DM04 | 2331849M | ZENER HZ12C3 (TA) SI 500MW |
| DM05 | 2331849M | ZENER HZ12C3 (TA) SI 500MW |
| DM07 | 2331849M | ZENER HZ12C3 (TA) SI 500MW |
| DM08 | 2331849M | ZENER HZ12C3 (TA) SI 500MW |
| DM09 | 2331849M | ZENER HZ12C3 (TA) SI 500MW |
| DM10 | 2331849M | ZENER HZ12C3 (TA) SI 500MW |
| DM11 | 2331849M | ZENER HZ12C3 (TA) SI 500MW |
| DN01 | 2344041M | DIODE 1SS254TA/1SS270TA |
| DN02 | 2344041M | DIODE 1SS254TA/1SS270TA |
| DN03 | 2344041M | DIODE 1SS254TA/1SS270TA |
| DN04 | 2344041M | DIODE 1SS254TA/1SS270TA |
| DN05 | 2339825M | ZENER DIODE HZS-4 TAPE (B2) SI 400MW 3.9V |
| DN06 | 2344041M | DIODE 1SS254TA/1SS270TA |
| DN09 | 2331849M | ZENER HZ12C3 (TA) SI 500MW |
| DN11 | 2344041M | DIODE 1SS254TA/1SS270TA |
| DN12 | 2344041M | DIODE 1SS254TA/1SS270TA |
| DN13 | 2344041M | DIODE 1SS254TA/1SS270TA |
| DN14 | 2344041M | DIODE 1SS254TA/1SS270TA |
| DN15 | 2339836M | ZENER HZS-5 B3 |
| ⚠ DP01 | 2338313 | DIODE RBV-406M (60V) SI 0.1USEC |
| DP02 | CH02001M | DIODE 1SR139-400 |
| DP03 | CH02011M | DIODE 1SR153-400 |
| DP04 | 2334324M | ZENER DIODE RD36E TAPE (B3) SI 500MW 36V |
| DP05 | 2331844M | ZENER HZ12-B1 |
| DP07 | CH02011M | DIODE 1SR153-400 |
| DP08 | 2359312 | DIODE RU3C (1000V) |
| DP09 | 2337952S | DIODE RU4YX(LF015-302) |
| DP10 | 2336615 | DIODE RU3YX (LF-A1) |
| DP11 | CH01061F | DIODE RU4AM(600V) |
| DP12 | 2337952S | DIODE RU4YX(LF015-302) |
| DP13 | 2337952S | DIODE RU4YX(LF015-302) |
| DP14 | 2339881M | ZENER HZS12A1 TA |
| DP15 | 2339961M | ZENER HZS30-1 TA |
| DP16 | 2344041M | DIODE 1SS254TA/1SS270TA |
| DP17 | 2339857M | ZENER HZS7C1 SI |
| DP18 | 2344041M | DIODE 1SS254TA/1SS270TA |
| DP21 | 2344041M | DIODE 1SS254TA/1SS270TA |
| DP22 | 2344041M | DIODE 1SS254TA/1SS270TA |
| DP23 | 2339827M | ZENER HZS4C1 TA |
| DP24 | 2344041M | DIODE 1SS254TA/1SS270TA |
| DP25 | 2339816M | ZENER HZS3B3 TAPE |
| DP26 | 2344041M | DIODE 1SS254TA/1SS270TA |
| DP27 | 2339847M | ZENER HZS6C1 TA |
| DP28 | 2344041M | DIODE 1SS254TA/1SS270TA |
| DP29 | CH00182R | LIGHT EMITTING DIODE (SLZ-381C-06-T1) |
| DP30 | CH02001M | DIODE 1SR139-400 |
| DP31 | CH00041M | DIODE ES1FV1 (1500V) |
| DP32 | CH00041M | DIODE ES1FV1 (1500V) |
| DP33 | CH02001M | DIODE 1SR139-400 |
| DP34 | 2344041M | DIODE 1SS254TA/1SS270TA |
| DP35 | CH02001M | DIODE 1SR139-400 |
| DP36 | CH02001M | DIODE 1SR139-400 |
| DP37 | CH00183R | LIGHT EMITTING DIODE (SLZ-981C-06-T1) |
| DS01 | 2331807M | ZENER DIODE HZ-6 TAPE (C1) SI 500MW 6.1V |
| DS02 | 2331807M | ZENER DIODE HZ-6 TAPE (C1) SI 500MW 6.1V |
| DS03 | 2331807M | ZENER DIODE HZ-6 TAPE (C1) SI 500MW 6.1V |
| DS04 | 2331807M | ZENER DIODE HZ-6 TAPE (C1) SI 500MW 6.1V |
| DS05 | 2331807M | ZENER DIODE HZ-6 TAPE (C1) SI 500MW 6.1V |
| DS06 | 2331807M | ZENER DIODE HZ-6 TAPE (C1) SI 500MW 6.1V |
| DS07 | 2331807M | ZENER DIODE HZ-6 TAPE (C1) SI 500MW 6.1V |
| DS08 | 2331807M | ZENER DIODE HZ-6 TAPE (C1) SI 500MW 6.1V |
| DS09 | 2331807M | ZENER DIODE HZ-6 TAPE (C1) SI 500MW 6.1V |
| DS10 | 2331807M | ZENER DIODE HZ-6 TAPE (C1) SI 500MW 6.1V |
| DS11 | 2331849M | ZENER HZ12C3 (TA) SI 500MW |
| DS12 | 2331849M | ZENER HZ12C3 (TA) SI 500MW |
| DS19 | CH00151M | DIODE DSM1SD2(200V)TAPE |
| DS20 | CH00151M | DIODE DSM1SD2(200V)TAPE |
| DS21 | CH00151M | DIODE DSM1SD2(200V)TAPE |
| DS22 | 2344041M | DIODE 1SS254TA/1SS270TA |
| DS23 | 2344041M | DIODE 1SS254TA/1SS270TA |
| DS24 | 2344041M | DIODE 1SS254TA/1SS270TA |
| DS25 | 2344041M | DIODE 1SS254TA/1SS270TA |
| DS26 | 2344041M | DIODE 1SS254TA/1SS270TA |
| DS27 | 2344041M | DIODE 1SS254TA/1SS270TA |
| DS28 | 2344041M | DIODE 1SS254TA/1SS270TA |
| DS29 | 2344041M | DIODE 1SS254TA/1SS270TA |
| DS30 | 2344041M | DIODE 1SS254TA/1SS270TA |
| DS31 | 2344041M | DIODE 1SS254TA/1SS270TA |
| DS32 | 2344041M | DIODE 1SS254TA/1SS270TA |
| DS33 | 2344041M | DIODE 1SS254TA/1SS270TA |
| DS34 | 2344041M | DIODE 1SS254TA/1SS270TA |
| DS35 | 2344041M | DIODE 1SS254TA/1SS270TA |
| DS36 | 2344041M | DIODE 1SS254TA/1SS270TA |
| DS37 | 2344041M | DIODE 1SS254TA/1SS270TA |
| DS38 | 2344041M | DIODE 1SS254TA/1SS270TA |
| DS39 | 2344041M | DIODE 1SS254TA/1SS270TA |
| DS40 | 2344041M | DIODE 1SS254TA/1SS270TA |
| DS41 | 2344041M | DIODE 1SS254TA/1SS270TA |
| DS42 | 2344041M | DIODE 1SS254TA/1SS270TA |
| DS43 | 2344041M | DIODE 1SS254TA/1SS270TA |
| DS44 | 2344041M | DIODE 1SS254TA/1SS270TA |
| DS45 | 2344041M | DIODE 1SS254TA/1SS270TA |
| DS46 | 2331771M | ZENER HZ-3A1 TAPE |

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| SYMBOL NO. | PART NO. | PART DESCRIPTION |
|---|---|---|
| DS47 | 2331771M | ZENER HZ-3A1 TAPE |
| DS48 | 2344041M | DIODE 1SS254TA/1SS270TA |
| DS49 | 2344041M | DIODE 1SS254TA/1SS270TA |
| DS50 | 2331771M | ZENER HZ-3A1 TAPE |
| DS51 | 2344041M | DIODE 1SS254TA/1SS270TA |
| DS52 | 2331849M | ZENER HZ12C3 (TA) SI 500MW |
| DS53 | 2331779M | ZENER DIODE HZ3C3 |
| DS55 | 2344041M | DIODE 1SS254TA/1SS270TA |
| DS56 | 2331807M | ZENER DIODE HZ-6 TAPE (C1) SI 500MW 6.1V |
| DX03 | 2344041M | DIODE 1SS254TA/1SS270TA |
| DX05 | 2344041M | DIODE 1SS254TA/1SS270TA |
| DX06 | 2344041M | DIODE 1SS254TA/1SS270TA |
| DX07 | 2344041M | DIODE 1SS254TA/1SS270TA |
| DX08 | 2344041M | DIODE 1SS254TA/1SS270TA |
| DX09 | 2344041M | DIODE 1SS254TA/1SS270TA |
| DX10 | 2344041M | DIODE 1SS254TA/1SS270TA |
| DX11 | 2331849M | ZENER HZ12C3 (TA) SI 500MW |
| DX12 | 2331849M | ZENER HZ12C3 (TA) SI 500MW |
| DX13 | 2331849M | ZENER HZ12C3 (TA) SI 500MW |
| DX15 | 2344041M | DIODE 1SS254TA/1SS270TA |
| DX16 | 2344041M | DIODE 1SS254TA/1SS270TA |
| DX18 | 2348212M | DIO-MTZ-J15BTA |
| DZ01 | 2344041M | DIODE 1SS254TA/1SS270TA |
| | | **FUSES** |
| #90 | ME02371 | PROTECTOR SHIELD |
| ⚠ E991 | AZ00109M | PROTECTOR CRXT491007 |
| ⚠ E992 | AZ00109M | PROTECTOR CRXT491007 |
| ⚠ E993 | AZ00109M | PROTECTOR CRXT491007 |
| ⚠ E994 | AZ00108M | PROTECTOR(CRXT491005) |
| ⚠ E995 | AZ00108M | PROTECTOR(CRXT491005) |
| EH01 | AZ00101M | PROTECTOR(CRXT491.500) |
| EK01 | AZ00108M | PROTECTOR(CRXT491005) |
| ⚠ EP91 | AZ00109M | PROTECTOR CRXT491007 |
| ⚠ EP92 | AZ00107M | PROTECTOR CRXT491004 |
| ⚠ EP93 | AZ00101M | PROTECTOR(CRXT491.500) |
| ⚠ EP94 | AZ00109M | PROTECTOR CRXT491007 |
| ⚠ EP95 | AZ00109M | PROTECTOR CRXT491007 |
| ⚠ EP96 | AZ00421M | PROTECTOR 491010T52 |
| ⚠ EP97 | AZ00421M | PROTECTOR 491010T52 |
| ⚠ EP98 | AZ00106M | PROTECTOR CRXT491003 |
| ⚠ F901 | 2722359 | FUSE AC06A |
| | | **COMPOUND COMPONENTS** |
| HM01 | CZ00941 | IC RPM6938-H5 R/C RECEIVER |
| U201 | HC00311 | TUNER V6-A30FT MAIN TUNER |
| U202 | HC00401 | V8-A68CT PIP TUNER |
| U204 | HP00705 | KC-301S(3DYC SEP UNIT) 3DYC COMB FILTER |
| U205 | CS00491 | FLEX CONVERTER UNIT ASY (HC5611)/PIP |
| ⚠ UFPK | AZ00006 | CRX FOCUS PACK |
| UKDG | CS00451 | HC2151 DCU ASY |
| US01 | CS00481 | DSP UNIT(HC4051) ASY |
| | | **INTEGRATED CIRCUITS** |
| I001 | CP07162U | IC MN102H51KHP MAIN MICRO |
| I002 | CK32542R | DIGITAL MONOLITHIC IC (M24C16-WMN6T) EEPROM |
| I003 | CK31071R | IC CXA1875AM |
| I004 | CK31071R | IC CXA1875AM |
| I005 | CK31992R | IC BU4053BCF-E2 |
| I006 | CP06941R | IC PST994I |
| I007 | CP05572 | ANALOG MONOLITHIC IC (BA17809) |
| I008 | CP05571 | IC BA17805 |
| I009 | CP05163F | IC REG.(SI-3090F) |
| I010 | CP05162F | IC REG.(SI-3050F) |
| I011 | CP06581U | IC LF25CV |
| I012 | CP04232 | ANALOG MONOLITHIC IC BA033T |
| I014 | CK34051R | IC TC74HCT245AF |
| I015 | 2004781 | ICL-LA7213 |
| I016 | 2004781 | ICL-LA7213 |
| I201 | CK07923U | IC TA1270BF |
| I202 | CK31992R | IC BU4053BCF-E2 |
| I203 | 2015452R | IC HD74HC04FPEL |
| I205 | CK08521R | ANALOG MONOLITHIC IC (BA7657F-E2) |
| I207 | 2004781 | ICL-LA7213 |
| I401 | CK30941U | ANALOG MONOLITHIC IC(CXA2069Q) |
| I402 | CW00022 | COMB FILTER (337KNT) |
| I403 | CK07923U | IC TA1270BF |
| I404 | CK08521R | ANALOG MONOLITHIC IC (BA7657F-E2) |
| I405 | CK31992R | IC BU4053BCF-E2 |
| I406 | CK32711R | IC BA7609F |
| I407 | CK32711R | IC BA7609F |
| I408 | 2004781 | ICL-LA7213 |
| I409 | 2382742R | ICC-SC7S04F |
| I601 | CP06891 | IC TDA8174A VERTICAL OUTPUT |
| I651 | 2365452 | IC NJM2903D |
| I701 | CP06551 | IC TA1300AN |
| ⚠ I901 | CZ00864 | IC STR-F6626(LF1352) REGULATOR |
| ⚠ I902 | 2000465 | IC PS2501-1 (KC/LC) |
| ⚠ I903 | 2000465 | IC PS2501-1 (KC/LC) |
| ⚠ I904 | 2000465 | IC PS2501-1 (KC/LC) |
| I905 | CP03922F | ANALOG MONOLITHIC IC (SI-8050S) |
| I906 | CP03923F | ANALOG MONOLITHIC IC (SI-8090S) |
| I907 | CP03922F | ANALOG MONOLITHIC IC (SI-8050S) |
| I908 | CP03924F | IC SI-8120S |
| IC01 | 2004751 | IC TA8200AH |
| IH02 | CP07091 | IC M62501P |
| IK01 | CP05571 | IC BA17805 |
| IK02 | CP01631R | ICL-PST9142 |
| IK03 | CP05571 | IC BA17805 |
| IK04 | CZ00431 | HYBRID IC (STK392-110) CONV. OUTPUT |
| IK05 | CZ00431 | HYBRID IC (STK392-110) CONV. OUTPUT |
| ⚠ IP01 | CZ00865 | STR-F6629B(LF1351) |
| IP02 | CP05141 | ANALOG MONOLITHIC IC (PQ6RD083) |
| ⚠ IP03 | 2381349 | HYBRID IC (SE120N:+B CONT.) |
| ⚠ IP04 | 2000465 | IC PS2501-1 (KC/LC) |
| IS01 | CK31071R | IC CXA1875AM |
| IS02 | CK33801R | IC NJM2068F |
| IS03 | CK33691R | IC TDA7309 |
| IS04 | CK33801R | IC NJM2068F |
| IS05 | CP06901U | IC TDA7317 |
| IS06 | CK33801R | IC NJM2068F |
| IS07 | CK33801R | IC NJM2068F |

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| SYMBOL NO. | PART NO. | PART DESCRIPTION |
|---|---|---|
| IS08 | CK33691R | IC TDA7309 |
| IS09 | CK33801R | IC NJM2068F |
| IS10 | CP06901U | IC TDA7317 |
| IS11 | CK33691R | IC TDA7309 |
| IS12 | CK33801R | IC NJM2068F |
| IS13 | CP05162F | IC REG.(SI-3050F) |
| IS15 | 2004751 | IC TA8200AH |
| IS16 | 2004751 | IC TA8200AH |
| IS17 | CK32011R | IC TC74HC151AF |
| IS18 | CK34031R | IC TC74HCU04AF |
| IS19 | CP02601 | AN5285K |
| IS20 | CK33801R | IC NJM2068F |
| IX01 | CP05662U | IC TA1298AN |
| IX02 | CK32711R | IC BA7609F |
| | | |
| | | **COILS** |
| L001 | BH00697R | COIL 100UH |
| L002 | BH00697R | COIL 100UH |
| L003 | BJ00402 | 30MHZ BAND PASS LC FILTER 87F2 |
| L004 | 2123781R | FILTER COIL 101K |
| L005 | BH00697R | COIL 100UH |
| L006 | BH00697R | COIL 100UH |
| L007 | BH00697R | COIL 100UH |
| L008 | BH00697R | COIL 100UH |
| L201 | BH00697R | COIL 100UH |
| L202 | 2123781R | FILTER COIL 101K |
| L203 | BH00697R | COIL 100UH |
| L204 | BH00697R | COIL 100UH |
| L205 | 2123781R | FILTER COIL 101K |
| L206 | BH00697R | COIL 100UH |
| L207 | 2123112M | COIL-AXIAL 47UH-K |
| L208 | BH00697R | COIL 100UH |
| L209 | BH00697R | COIL 100UH |
| L210 | 2123781R | FILTER COIL 101K |
| L211 | BH00697R | COIL 100UH |
| L212 | 2123781R | FILTER COIL 101K |
| L214 | BH00697R | COIL 100UH |
| L215 | BH00697R | COIL 100UH |
| L216 | 2123781R | FILTER COIL 101K |
| L217 | 2123781R | FILTER COIL 101K |
| L295 | 2123411M | AXIAL COIL 1.0UH-K TYPE LAL02 |
| L401 | BH00697R | COIL 100UH |
| L402 | BH00697R | COIL 100UH |
| L403 | BH00697R | COIL 100UH |
| L404 | BH00697R | COIL 100UH |
| L405 | BH00697R | COIL 100UH |
| L406 | BH00697R | COIL 100UH |
| L407 | BH00697R | COIL 100UH |
| L408 | BH00697R | COIL 100UH |
| L409 | BH00697R | COIL 100UH |
| L410 | BH00697R | COIL 100UH |
| L602 | BH00206R | FILTER COIL 27UH |
| L651 | BZ00841 | CHOKE COIL 150UH SL1720 |
| L652 | BH01301 | HC-331K-1 |
| L661 | 2123462M | FERRITE BEADS CORE B 2.3UH |
| L662 | 2123462M | FERRITE BEADS CORE B 2.3UH |

| SYMBOL NO. | PART NO. | PART DESCRIPTION |
|---|---|---|
| L701 | BH00697R | COIL 100UH |
| L751 | BH00217R | FILTER COIL 180UH |
| L752 | BZ02584 | LINEARITY COIL 8UH |
| L753 | BZ02585 | LINEARITY COIL 16UH |
| L758 | BH00228R | COIL 332K-1T7608A |
| L771 | 2123461M | FERRITE BEADS B 0.8 MH |
| L772 | 2123461M | FERRITE BEADS B 0.8 MH |
| L773 | 2123461M | FERRITE BEADS B 0.8 MH |
| L801 | BH00684R | COIL 10UH |
| L802 | BH00684R | COIL 10UH |
| L803 | BH00677R | COIL 3.3UH |
| L851 | BH00684R | COIL 10UH |
| L852 | BH00684R | COIL 10UH |
| L853 | BH00677R | COIL 3.3UH |
| L8A1 | BH00684R | COIL 10UH |
| L8A2 | BH00683R | COIL 8.2UH(FLR50) |
| L8A3 | BH00675R | COIL 2.2UH |
| L8A6 | BH00697R | COIL 100UH |
| ⚠ L901 | BZ01831 | LX-LINE FILTER(382) |
| ⚠ L902 | BZ01841 | LX-LINE FILTER(102) |
| ⚠ L903 | BZ01831 | LX-LINE FILTER(382) |
| ⚠ L904 | BZ01841 | LX-LINE FILTER(102) |
| ⚠ L905 | BZ01841 | LX-LINE FILTER(102) |
| L906 | 2123462M | FERRITE BEADS CORE B 2.3UH |
| L907 | 2123462M | FERRITE BEADS CORE B 2.3UH |
| L908 | 2123461M | FERRITE BEADS B 0.8 MH |
| L909 | 2123461M | FERRITE BEADS B 0.8 MH |
| L910 | 2123462M | FERRITE BEADS CORE B 2.3UH |
| L911 | 2123462M | FERRITE BEADS CORE B 2.3UH |
| L912 | BH00201R | FILTER COIL 10UH |
| L913 | BH00201R | FILTER COIL 10UH |
| L914 | BH00201R | FILTER COIL 10UH |
| L915 | BV00891 | PL-CHOPPER COIL 200UH/3A |
| L916 | BH00201R | FILTER COIL 10UH |
| L917 | BH00201R | FILTER COIL 10UH |
| L918 | BV00901 | PL-CHOPPER COIL 200UH/2A |
| L919 | BH00207R | FILTER COIL 33UH |
| L920 | BV00891 | PL-CHOPPER COIL 200UH/3A |
| L921 | BH00207R | FILTER COIL 33UH |
| L922 | BH00207R | FILTER COIL 33UH |
| L923 | BV00901 | PL-CHOPPER COIL 200UH/2A |
| L924 | BH00212R | FILTER COIL 68UH |
| L925 | BH00212R | FILTER COIL 68UH |
| L926 | BH00209R | FILTER COIL 47UH |
| L927 | BH00207R | FILTER COIL 33UH |
| L928 | BH00211R | FILTER COIL 56UH |
| LC01 | 2122652M | FERRITE CORE |
| LC02 | 2122652M | FERRITE CORE |
| LE01 | BH00214R | FILTER COIL 100UH |
| LE02 | BH00214R | FILTER COIL 100UH |
| LE03 | 2123468M | FERRITE BEADS CORE LEAD 0.8MH |
| LF01 | BH00229R | COIL 472K-1T7608A |
| ⚠ LH02 | BH00214R | FILTER COIL 100UH |
| LH03 | BH00217R | FILTER COIL 180UH |
| LK01 | 2123468M | FERRITE BEADS CORE LEAD 0.8MH |
| LK02 | 2123468M | FERRITE BEADS CORE LEAD 0.8MH |

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| SYMBOL NO. | PART NO. | PART DESCRIPTION | SYMBOL NO. | PART NO. | PART DESCRIPTION |
|---|---|---|---|---|---|
| LK03 | 2123468M | FERRITE BEADS CORE LEAD 0.8MH | Q007 | 2325781R | 2SA1037KT146Q/R |
| LK04 | 2123468M | FERRITE BEADS CORE LEAD 0.8MH | Q008 | 2325691R | TRS CHIP(2SC2412KQ/R) |
| LK05 | 2123468M | FERRITE BEADS CORE LEAD 0.8MH | Q009 | 2325691R | TRS CHIP(2SC2412KQ/R) |
| LK06 | 2123468M | FERRITE BEADS CORE LEAD 0.8MH | Q010 | 2325781R | 2SA1037KT146Q/R |
| LK07 | 2123468M | FERRITE BEADS CORE LEAD 0.8MH | Q013 | 2325691R | TRS CHIP(2SC2412KQ/R) |
| LK08 | 2123468M | FERRITE BEADS CORE LEAD 0.8MH | Q014 | 2325691R | TRS CHIP(2SC2412KQ/R) |
| LK09 | 2123462M | FERRITE BEADS CORE B 2.3UH | Q015 | 2325691R | TRS CHIP(2SC2412KQ/R) |
| LK10 | 2123462M | FERRITE BEADS CORE B 2.3UH | Q016 | 2325691R | TRS CHIP(2SC2412KQ/R) |
| LK11 | 2123462M | FERRITE BEADS CORE B 2.3UH | Q017 | 2325691R | TRS CHIP(2SC2412KQ/R) |
| LL01 | BH00697R | COIL 100UH | Q018 | 2325781R | 2SA1037KT146Q/R |
| LP01 | 2123462M | FERRITE BEADS CORE B 2.3UH | Q019 | 2325781R | 2SA1037KT146Q/R |
| LP02 | 2123462M | FERRITE BEADS CORE B 2.3UH | Q021 | 2325691R | TRS CHIP(2SC2412KQ/R) |
| LP03 | 2123461M | FERRITE BEADS B 0.8 MH | Q022 | 2325691R | TRS CHIP(2SC2412KQ/R) |
| LP04 | 2123461M | FERRITE BEADS B 0.8 MH | Q023 | 2325781R | 2SA1037KT146Q/R |
| LP05 | BH00214R | FILTER COIL 100UH | Q024 | 2325691R | TRS CHIP(2SC2412KQ/R) |
| LP06 | BH00214R | FILTER COIL 100UH | Q029 | 2312171 | TRS. 2SC3852 |
| LP07 | BH00212R | FILTER COIL 68UH | Q030 | 2325691R | TRS CHIP(2SC2412KQ/R) |
| LP08 | BH00212R | FILTER COIL 68UH | Q031 | 2325691R | TRS CHIP(2SC2412KQ/R) |
| LP09 | BH00212R | FILTER COIL 68UH | Q034 | 2325781R | 2SA1037KT146Q/R |
| LP10 | BH00206R | FILTER COIL 27UH | Q035 | 2325691R | TRS CHIP(2SC2412KQ/R) |
| LP11 | BH00209R | FILTER COIL 47UH | Q036 | 2325691R | TRS CHIP(2SC2412KQ/R) |
| LP12 | BH00217R | FILTER COIL 180UH | Q037 | 2325781R | 2SA1037KT146Q/R |
| LP13 | BH00206R | FILTER COIL 27UH | Q038 | 2325691R | TRS CHIP(2SC2412KQ/R) |
| LP14 | BH00209R | FILTER COIL 47UH | Q039 | 2325781R | 2SA1037KT146Q/R |
| LP15 | 2124362 | DC.NOISE FILTER | Q040 | 2325691R | TRS CHIP(2SC2412KQ/R) |
| LP16 | 2124362 | DC.NOISE FILTER | Q046 | 2325691R | TRS CHIP(2SC2412KQ/R) |
| LS08 | BH00697R | COIL 100UH | Q201 | 2325691R | TRS CHIP(2SC2412KQ/R) |
| LS09 | BH00697R | COIL 100UH | Q202 | 2325691R | TRS CHIP(2SC2412KQ/R) |
| LS10 | BH00697R | COIL 100UH | Q203 | 2325691R | TRS CHIP(2SC2412KQ/R) |
| LS11 | BH00697R | COIL 100UH | Q204 | 2325691R | TRS CHIP(2SC2412KQ/R) |
| LS12 | BH00697R | COIL 100UH | Q205 | 2325691R | TRS CHIP(2SC2412KQ/R) |
| LS13 | BH00697R | COIL 100UH | Q206 | 2325691R | TRS CHIP(2SC2412KQ/R) |
| LS14 | BH01341M | COIL FERRITE BEADS 0.8UH | Q207 | 2320647M | TRS. 2SC1213 (C 21 TZ/D 21 TZ) SI 80MHZ400MW |
| LS15 | BH01341M | COIL FERRITE BEADS 0.8UH | Q208 | 2325781R | 2SA1037KT146Q/R |
| LS18 | BH01341M | COIL FERRITE BEADS 0.8UH | Q209 | 2325691R | TRS CHIP(2SC2412KQ/R) |
| LS19 | BH01341M | COIL FERRITE BEADS 0.8UH | Q210 | 2325781R | 2SA1037KT146Q/R |
| LS22 | BH00697R | COIL 100UH | Q211 | 2325691R | TRS CHIP(2SC2412KQ/R) |
| LS23 | BH00697R | COIL 100UH | Q212 | CA11264R | PHOTO TRANSISTOR(DTC114EKA) |
| LS24 | 2123415M | LAL AXIAL COIL 2.2UH-K | Q213 | 2325691R | TRS CHIP(2SC2412KQ/R) |
| LX01 | BH00697R | COIL 100UH | Q214 | 2325691R | TRS CHIP(2SC2412KQ/R) |
| LX03 | BH00697R | COIL 100UH | Q215 | 2325691R | TRS CHIP(2SC2412KQ/R) |
| LX04 | BH00697R | COIL 100UH | Q216 | 2325781R | 2SA1037KT146Q/R |
| LX05 | BH00697R | COIL 100UH | Q217 | 2325691R | TRS CHIP(2SC2412KQ/R) |
| LX06 | BH00697R | COIL 100UH | Q220 | 2325781R | 2SA1037KT146Q/R |
| LX07 | BH00697R | COIL 100UH | Q221 | 2325781R | 2SA1037KT146Q/R |
| LX08 | BH00697R | COIL 100UH | Q222 | 2325781R | 2SA1037KT146Q/R |
| LX09 | BH00697R | COIL 100UH | Q223 | 2325781R | 2SA1037KT146Q/R |
| LX16 | BH00697R | COIL 100UH | Q224 | 2325691R | TRS CHIP(2SC2412KQ/R) |
| | | | Q226 | 2325691R | TRS CHIP(2SC2412KQ/R) |
| | | **TRANSISTORS** | Q227 | 2325781R | 2SA1037KT146Q/R |
| Q001 | 2325781R | 2SA1037KT146Q/R | Q228 | 2325691R | TRS CHIP(2SC2412KQ/R) |
| Q002 | 2320647M | TRS. 2SC1213 (C 21 TZ/D 21 TZ) SI 80MHZ400MW | Q229 | 2325691R | TRS CHIP(2SC2412KQ/R) |
| Q003 | 2325691R | TRS CHIP(2SC2412KQ/R) | Q230 | 2325781R | 2SA1037KT146Q/R |
| Q004 | 2320647M | TRS. 2SC1213 (C 21 TZ/D 21 TZ) SI 80MHZ400MW | Q231 | 2325691R | TRS CHIP(2SC2412KQ/R) |
| Q005 | 2325691R | TRS CHIP(2SC2412KQ/R) | Q232 | 2325691R | TRS CHIP(2SC2412KQ/R) |
| Q006 | 2325691R | TRS CHIP(2SC2412KQ/R) | Q233 | 2325781R | 2SA1037KT146Q/R |

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| SYMBOL NO. | PART NO. | PART DESCRIPTION | SYMBOL NO. | PART NO. | PART DESCRIPTION |
|---|---|---|---|---|---|
| Q234 | 2325691R | TRS CHIP(2SC2412KQ/R) | Q654 | 2320637M | TRS. 2SA673 (C 26TZ/D 26TZ) SI 80MHZ 400MW |
| Q235 | 2325691R | TRS CHIP(2SC2412KQ/R) | Q655 | 2323522M | TRS. 2SD789 (E TAPE) |
| Q236 | 2325691R | TRS CHIP(2SC2412KQ/R) | Q656 | 2323531R | TRS. 2SB740(BC)TAPE |
| Q237 | 2325691R | TRS CHIP(2SC2412KQ/R) | Q657 | 2312282 | TRS 2SC4160(M) |
| Q239 | 2325691R | TRS CHIP(2SC2412KQ/R) | Q701 | 2326873R | TRS. DTC144ES TP |
| Q240 | 2325691R | TRS CHIP(2SC2412KQ/R) | Q702 | 2320591M | TRS. 2SC458 (B TZ/C TZ) SI 230MHZ200MW |
| Q401 | 2325691R | TRS CHIP(2SC2412KQ/R) | Q703 | 2320591M | TRS. 2SC458 (B TZ/C TZ) SI 230MHZ200MW |
| Q402 | 2325691R | TRS CHIP(2SC2412KQ/R) | Q704 | 2326216 | TRS. 2SC3116 (S/T) |
| Q403 | 2325691R | TRS CHIP(2SC2412KQ/R) | Q705 | 2320591M | TRS. 2SC458 (B TZ/C TZ) SI 230MHZ200MW |
| Q404 | 2325781R | 2SA1037KT146Q/R | Q751 | 2326216 | TRS. 2SC3116 (S/T) |
| Q405 | 2325781R | 2SA1037KT146Q/R | Q754 | 2320637M | TRS. 2SA673 (C 26TZ/D 26TZ) SI 80MHZ 400MW |
| Q406 | 2325691R | TRS CHIP(2SC2412KQ/R) | Q755 | 2320591M | TRS. 2SC458 (B TZ/C TZ) SI 230MHZ200MW |
| Q407 | 2325691R | TRS CHIP(2SC2412KQ/R) | ⚠ Q777 | CF02511F | TRS.2SC5440000LT DEFLECTION OUTPUT |
| Q408 | 2325691R | TRS CHIP(2SC2412KQ/R) | Q801 | 2327471F | TRS.2SC3950 (HIT D/E) |
| Q409 | 2320647M | TRS. 2SC1213 (C 21 TZ/D 21 TZ) SI 80MHZ400MW | Q802 | 2320591M | TRS. 2SC458 (B TZ/C TZ) SI 230MHZ200MW |
| Q410 | 2320647M | TRS. 2SC1213 (C 21 TZ/D 21 TZ) SI 80MHZ400MW | Q803 | 2312372F | TRS-2SC3942 |
| Q411 | 2320647M | TRS. 2SC1213 (C 21 TZ/D 21 TZ) SI 80MHZ400MW | Q804 | 2312773F | TRS-2SA1546(2)M/L |
| Q412 | 2325781R | 2SA1037KT146Q/R | Q805 | 2312372F | TRS-2SC3942 |
| Q413 | 2325781R | 2SA1037KT146Q/R | Q812 | 2312371 | TRS. 2SC3942 |
| Q414 | 2325781R | 2SA1037KT146Q/R | Q851 | 2327471F | TRS.2SC3950 (HIT D/E) |
| Q415 | 2325691R | TRS CHIP(2SC2412KQ/R) | Q852 | 2320591M | TRS. 2SC458 (B TZ/C TZ) SI 230MHZ200MW |
| Q416 | 2325691R | TRS CHIP(2SC2412KQ/R) | Q853 | 2312372F | TRS-2SC3942 |
| Q417 | 2325781R | 2SA1037KT146Q/R | Q854 | 2312773F | TRS-2SA1546(2)M/L |
| Q418 | 2325691R | TRS CHIP(2SC2412KQ/R) | Q855 | 2312372F | TRS-2SC3942 |
| Q419 | 2325691R | TRS CHIP(2SC2412KQ/R) | Q858 | 2320637M | TRS. 2SA673 (C 26TZ/D 26TZ) SI 80MHZ 400MW |
| Q420 | 2325781R | 2SA1037KT146Q/R | Q859 | 2320591M | TRS. 2SC458 (B TZ/C TZ) SI 230MHZ200MW |
| Q421 | 2325691R | TRS CHIP(2SC2412KQ/R) | Q862 | 2312371 | TRS. 2SC3942 |
| Q422 | 2325691R | TRS CHIP(2SC2412KQ/R) | Q8A1 | 2327471F | TRS.2SC3950 (HIT D/E) |
| Q423 | 2325781R | 2SA1037KT146Q/R | Q8A2 | 2320591M | TRS. 2SC458 (B TZ/C TZ) SI 230MHZ200MW |
| Q424 | 2325691R | TRS CHIP(2SC2412KQ/R) | Q8A3 | 2312372F | TRS-2SC3942 |
| Q425 | 2325781R | 2SA1037KT146Q/R | Q8A4 | 2312773F | TRS-2SA1546(2)M/L |
| Q426 | 2325781R | 2SA1037KT146Q/R | Q8A5 | 2312372F | TRS-2SC3942 |
| Q427 | 2325781R | 2SA1037KT146Q/R | Q8A6 | 2320637M | TRS. 2SA673 (C 26TZ/D 26TZ) SI 80MHZ 400MW |
| Q428 | 2325691R | TRS CHIP(2SC2412KQ/R) | Q8A7 | 2320591M | TRS. 2SC458 (B TZ/C TZ) SI 230MHZ200MW |
| Q431 | 2325691R | TRS CHIP(2SC2412KQ/R) | Q8C1 | 2320591M | TRS. 2SC458 (B TZ/C TZ) SI 230MHZ200MW |
| Q433 | 2325691R | TRS CHIP(2SC2412KQ/R) | Q8C2 | 2312371 | TRS. 2SC3942 |
| Q434 | 2325691R | TRS CHIP(2SC2412KQ/R) | ⚠ Q901 | 2323782R | THYRISTOR 03P2M(TA) |
| Q435 | 2325691R | TRS CHIP(2SC2412KQ/R) | Q902 | 2320591M | TRS. 2SC458 (B TZ/C TZ) SI 230MHZ200MW |
| Q436 | 2325691R | TRS CHIP(2SC2412KQ/R) | Q903 | 2320591M | TRS. 2SC458 (B TZ/C TZ) SI 230MHZ200MW |
| Q437 | 2325691R | TRS CHIP(2SC2412KQ/R) | Q904 | 2312171 | TRS. 2SC3852 |
| Q438 | 2325691R | TRS CHIP(2SC2412KQ/R) | ⚠ Q905 | 2323782R | THYRISTOR 03P2M(TA) |
| Q439 | 2325691R | TRS CHIP(2SC2412KQ/R) | Q906 | 2320637M | TRS. 2SA673 (C 26TZ/D 26TZ) SI 80MHZ 400MW |
| Q440 | 2325781R | 2SA1037KT146Q/R | Q907 | 2320637M | TRS. 2SA673 (C 26TZ/D 26TZ) SI 80MHZ 400MW |
| Q441 | 2325781R | 2SA1037KT146Q/R | Q908 | 2320591M | TRS. 2SC458 (B TZ/C TZ) SI 230MHZ200MW |
| Q442 | 2325781R | 2SA1037KT146Q/R | Q909 | 2320637M | TRS. 2SA673 (C 26TZ/D 26TZ) SI 80MHZ 400MW |
| Q443 | 2325691R | TRS CHIP(2SC2412KQ/R) | Q910 | 2320591M | TRS. 2SC458 (B TZ/C TZ) SI 230MHZ200MW |
| Q444 | 2325691R | TRS CHIP(2SC2412KQ/R) | Q911 | 2320591M | TRS. 2SC458 (B TZ/C TZ) SI 230MHZ200MW |
| Q445 | 2325691R | TRS CHIP(2SC2412KQ/R) | Q912 | 2320637M | TRS. 2SA673 (C 26TZ/D 26TZ) SI 80MHZ 400MW |
| Q446 | 2325691R | TRS CHIP(2SC2412KQ/R) | QC01 | 2325691R | TRS CHIP(2SC2412KQ/R) |
| Q601 | 2320591M | TRS. 2SC458 (B TZ/C TZ) SI 230MHZ200MW | QC02 | 2325691R | TRS CHIP(2SC2412KQ/R) |
| Q608 | 2320591M | TRS. 2SC458 (B TZ/C TZ) SI 230MHZ200MW | QC03 | 2325691R | TRS CHIP(2SC2412KQ/R) |
| Q609 | 2320637M | TRS. 2SA673 (C 26TZ/D 26TZ) SI 80MHZ 400MW | QC04 | 2325691R | TRS CHIP(2SC2412KQ/R) |
| Q612 | 2320591M | TRS. 2SC458 (B TZ/C TZ) SI 230MHZ200MW | QE01 | 2320591M | TRS. 2SC458 (B TZ/C TZ) SI 230MHZ200MW |
| Q613 | 2320591M | TRS. 2SC458 (B TZ/C TZ) SI 230MHZ200MW | QE02 | 2320591M | TRS. 2SC458 (B TZ/C TZ) SI 230MHZ200MW |
| Q652 | 2320637M | TRS. 2SA673 (C 26TZ/D 26TZ) SI 80MHZ 400MW | QE03 | 2320591M | TRS. 2SC458 (B TZ/C TZ) SI 230MHZ200MW |
| Q653 | 2320637M | TRS. 2SA673 (C 26TZ/D 26TZ) SI 80MHZ 400MW | QE04 | 2320591M | TRS. 2SC458 (B TZ/C TZ) SI 230MHZ200MW |

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| SYMBOL NO. | PART NO. | PART DESCRIPTION | SYMBOL NO. | PART NO. | PART DESCRIPTION |
|---|---|---|---|---|---|
| QE05 | 2320591M | TRS. 2SC458 (B TZ/C TZ) SI 230MHZ200MW | QS01 | 2324085 | TRS-2SK105(C)(H) |
| QE07 | CF01881R | TRS. 2SA1283 E | QS02 | CA11252R | TRS.CHIP DTA144EKA |
| QE08 | CF01871R | TRS. 2SC3243 E | QS03 | CA11262R | PHOTO TRANSISTOR(DTC144EKA) |
| QE10 | CF01871R | TRS. 2SC3243 E | QS04 | 2325691R | TRS CHIP(2SC2412KQ/R) |
| QE11 | CF01881R | TRS. 2SA1283 E | QS05 | 2325691R | TRS CHIP(2SC2412KQ/R) |
| QE22 | 2326821R | TRANSISTOR 2SA1371 E/F-AE | QS06 | 2325691R | TRS CHIP(2SC2412KQ/R) |
| QE23 | 2315381 | TRS. 2SA1837 | QS07 | 2325691R | TRS CHIP(2SC2412KQ/R) |
| QE24 | 2315381 | TRS. 2SA1837 | QS08 | 2325691R | TRS CHIP(2SC2412KQ/R) |
| QE25 | 2315391 | TRS. 2SC4793 | QS09 | 2325691R | TRS CHIP(2SC2412KQ/R) |
| QE26 | 2315391 | TRS. 2SC4793 | QS10 | 2325691R | TRS CHIP(2SC2412KQ/R) |
| QE35 | 2326811R | TRANSISTOR 2SC3468 E/F-AE | QS11 | 2325691R | TRS CHIP(2SC2412KQ/R) |
| QE36 | 2320591M | TRS. 2SC458 (B TZ/C TZ) SI 230MHZ200MW | QS12 | 2325691R | TRS CHIP(2SC2412KQ/R) |
| QF01 | 2320591M | TRS. 2SC458 (B TZ/C TZ) SI 230MHZ200MW | QS14 | 2325691R | TRS CHIP(2SC2412KQ/R) |
| QF02 | 2320663M | TRS. 2SC1213A (C) | QS16 | 2325691R | TRS CHIP(2SC2412KQ/R) |
| QF03 | 2320637M | TRS. 2SA673 (C 26TZ/D 26TZ) SI 80MHZ 400MW | QS17 | 2325691R | TRS CHIP(2SC2412KQ/R) |
| QF04 | 2320663M | TRS. 2SC1213A (C) | QS18 | 2325691R | TRS CHIP(2SC2412KQ/R) |
| QF06 | CF00821F | TRS. 2SC4686A 1200V | QS20 | 2325691R | TRS CHIP(2SC2412KQ/R) |
| QF07 | CF00821F | TRS. 2SC4686A 1200V | QS21 | 2325691R | TRS CHIP(2SC2412KQ/R) |
| QF09 | CF00821F | TRS. 2SC4686A 1200V | QS22 | 2325691R | TRS CHIP(2SC2412KQ/R) |
| ⚠ QH01 | CF02541 | TRS GT8Q101 - HIGH VOLTAGE OUTPUT | QS23 | CA11262R | PHOTO TRANSISTOR(DTC144EKA) |
| QH07 | 2320637M | TRS. 2SA673 (C 26TZ/D 26TZ) SI 80MHZ 400MW | QS24 | CA11252R | TRS.CHIP DTA144EKA |
| QH08 | 2320591M | TRS. 2SC458 (B TZ/C TZ) SI 230MHZ200MW | QS25 | 2324085 | TRS-2SK105(C)(H) |
| QH09 | 2320591M | TRS. 2SC458 (B TZ/C TZ) SI 230MHZ200MW | QS26 | 2325691R | TRS CHIP(2SC2412KQ/R) |
| QH10 | 2320637M | TRS. 2SA673 (C 26TZ/D 26TZ) SI 80MHZ 400MW | QS27 | 2325691R | TRS CHIP(2SC2412KQ/R) |
| QH80 | 2320637M | TRS. 2SA673 (C 26TZ/D 26TZ) SI 80MHZ 400MW | QX01 | 2325781R | 2SA1037KT146Q/R |
| QK01 | 2312171 | TRS. 2SC3852 | QX02 | 2325781R | 2SA1037KT146Q/R |
| QK02 | 2320637M | TRS. 2SA673 (C 26TZ/D 26TZ) SI 80MHZ 400MW | QX03 | 2325781R | 2SA1037KT146Q/R |
| QK03 | 2320637M | TRS. 2SA673 (C 26TZ/D 26TZ) SI 80MHZ 400MW | QX07 | 2325781R | 2SA1037KT146Q/R |
| QK06 | 2320591M | TRS. 2SC458 (B TZ/C TZ) SI 230MHZ200MW | QX08 | 2325781R | 2SA1037KT146Q/R |
| QK07 | 2320591M | TRS. 2SC458 (B TZ/C TZ) SI 230MHZ200MW | QX09 | 2325781R | 2SA1037KT146Q/R |
| QK08 | 2320591M | TRS. 2SC458 (B TZ/C TZ) SI 230MHZ200MW | QX13 | 2325691R | TRS CHIP(2SC2412KQ/R) |
| QK71 | 2320663M | TRS. 2SC1213A (C) | QX15 | 2325691R | TRS CHIP(2SC2412KQ/R) |
| QL10 | 2320637M | TRS. 2SA673 (C 26TZ/D 26TZ) SI 80MHZ 400MW | QX16 | 2325781R | 2SA1037KT146Q/R |
| QL11 | 2320637M | TRS. 2SA673 (C 26TZ/D 26TZ) SI 80MHZ 400MW | QX17 | 2325781R | 2SA1037KT146Q/R |
| QL12 | 2320637M | TRS. 2SA673 (C 26TZ/D 26TZ) SI 80MHZ 400MW | QX18 | 2325781R | 2SA1037KT146Q/R |
| QL13 | 2320637M | TRS. 2SA673 (C 26TZ/D 26TZ) SI 80MHZ 400MW | QX21 | 2325691R | TRS CHIP(2SC2412KQ/R) |
| QL14 | 2320637M | TRS. 2SA673 (C 26TZ/D 26TZ) SI 80MHZ 400MW | QX22 | 2325691R | TRS CHIP(2SC2412KQ/R) |
| QL15 | 2320637M | TRS. 2SA673 (C 26TZ/D 26TZ) SI 80MHZ 400MW | QX23 | 2325691R | TRS CHIP(2SC2412KQ/R) |
| QL16 | 2320637M | TRS. 2SA673 (C 26TZ/D 26TZ) SI 80MHZ 400MW | QX24 | 2325691R | TRS CHIP(2SC2412KQ/R) |
| QL17 | 2320637M | TRS. 2SA673 (C 26TZ/D 26TZ) SI 80MHZ 400MW | QX25 | 2325691R | TRS CHIP(2SC2412KQ/R) |
| QM01 | 2320591M | TRS. 2SC458 (B TZ/C TZ) SI 230MHZ200MW | QX26 | 2325781R | 2SA1037KT146Q/R |
| QM02 | 2312992 | PHOTO TRS. RPT-38PT3F (M) | QX27 | 2325781R | 2SA1037KT146Q/R |
| QM03 | 2320591M | TRS. 2SC458 (B TZ/C TZ) SI 230MHZ200MW | QX31 | 2320637M | TRS. 2SA673 (C 26TZ/D 26TZ) SI 80MHZ 400MW |
| QM04 | 2320591M | TRS. 2SC458 (B TZ/C TZ) SI 230MHZ200MW | QX32 | 2325781R | 2SA1037KT146Q/R |
| QM05 | 2320591M | TRS. 2SC458 (B TZ/C TZ) SI 230MHZ200MW | QX36 | 2320637M | TRS. 2SA673 (C 26TZ/D 26TZ) SI 80MHZ 400MW |
| QN01 | 2320591M | TRS. 2SC458 (B TZ/C TZ) SI 230MHZ200MW | QX37 | 2325781R | 2SA1037KT146Q/R |
| QN02 | 2320591M | TRS. 2SC458 (B TZ/C TZ) SI 230MHZ200MW | QX41 | 2320637M | TRS. 2SA673 (C 26TZ/D 26TZ) SI 80MHZ 400MW |
| QN03 | 2320591M | TRS. 2SC458 (B TZ/C TZ) SI 230MHZ200MW | QX42 | 2325781R | 2SA1037KT146Q/R |
| QN04 | 2320637M | TRS. 2SA673 (C 26TZ/D 26TZ) SI 80MHZ 400MW | QX46 | 2320647M | TRS. 2SC1213 (C 21 TZ/D 21 TZ) SI 80MHZ400MW |
| QN05 | 2320591M | TRS. 2SC458 (B TZ/C TZ) SI 230MHZ200MW | QX52 | 2325691R | TRS CHIP(2SC2412KQ/R) |
| QN07 | 2320591M | TRS. 2SC458 (B TZ/C TZ) SI 230MHZ200MW | QX53 | 2325691R | TRS CHIP(2SC2412KQ/R) |
| QN08 | 2320591M | TRS. 2SC458 (B TZ/C TZ) SI 230MHZ200MW | QX54 | 2325691R | TRS CHIP(2SC2412KQ/R) |
| ⚠ QP01 | 2323782R | THYRISTOR 03P2M(TA) | QX55 | 2325691R | TRS CHIP(2SC2412KQ/R) |
| QP02 | 2321112M | TRS.2SA778AK(02 TAPE) | | | |
| QP03 | 2320637M | TRS. 2SA673 (C 26TZ/D 26TZ) SI 80MHZ 400MW | | | |
| QP04 | 2327461 | TRS.2SA1488 (Y/G) | | | |

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| SYMBOL NO. | PART NO. | PART DESCRIPTION | SYMBOL NO. | PART NO. | PART DESCRIPTION |
|---|---|---|---|---|---|
| | | **RESISTORS** | R064 | 0700027M | RES.-CARBON FLM 1/16W 100-JB |
| R001 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB | R065 | 0195918R | RES 2125 CHIP 1/16W 5.6KJ TAPE |
| R002 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB | R066 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE |
| R003 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE | R067 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE |
| R004 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE | R069 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE |
| R005 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE | R070 | 0195925R | RES 2125 CHIP 1/16W 10KJ TAPE |
| R006 | 0195250R | RES 2125 CHIP 1/16W 000 TAPE | R071 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE |
| R007 | 0195929R | RES 2125 CHIP 1/16W 15KJ TAPE | R072 | 0195925R | RES 2125 CHIP 1/16W 10KJ TAPE |
| R008 | 0195925R | RES 2125 CHIP 1/16W 10KJ TAPE | R073 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE |
| R009 | 0195943R | RES.2125 CHIP 1/16W 56KJ TAPE | R074 | 0195975R | RMC73S-2A105JR |
| R010 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE | R075 | 0195918R | RES 2125 CHIP 1/16W 5.6KJ TAPE |
| R011 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE | R076 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE |
| R013 | 0195941R | RESISTOR 2125 CHIP 1/16W 47KJ TAPE | R077 | 0195918R | RES 2125 CHIP 1/16W 5.6KJ TAPE |
| R014 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE | R078 | 0700032M | RES.-CARBON FLM 1/16W 220-JB |
| R015 | 0195250R | RES 2125 CHIP 1/16W 000 TAPE | R079 | 0195918R | RES 2125 CHIP 1/16W 5.6KJ TAPE |
| R016 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE | R080 | 0195918R | RES 2125 CHIP 1/16W 5.6KJ TAPE |
| R017 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE | R081 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB |
| R018 | 0195925R | RES 2125 CHIP 1/16W 10KJ TAPE | R082 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE |
| R019 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE | R083 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB |
| R020 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB | R084 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB |
| R021 | 0195941R | RESISTOR 2125 CHIP 1/16W 47KJ TAPE | R085 | 0195912R | RES 2125 CHIP 1/16W 3.3KJ TAPE |
| R022 | 0196858R | RES 2125CHIP 1/10W 56-F TAPE | R086 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE |
| R023 | 0196900R | RES 2125CHIP 1/16W3.3K-F TAPE | R087 | 0195879R | RES 2125 CHIP 1/16W 150J TAPE |
| R024 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE | R088 | 0195912R | RES 2125 CHIP 1/16W 3.3KJ TAPE |
| R025 | 0195941R | RESISTOR 2125 CHIP 1/16W 47KJ TAPE | R089 | 0195881R | RES 2125 CHIP 1/16W 180J TAPE |
| R026 | 0195250R | RES 2125 CHIP 1/16W 000 TAPE | R090 | 0195881R | RES 2125 CHIP 1/16W 180J TAPE |
| R028 | 0195941R | RESISTOR 2125 CHIP 1/16W 47KJ TAPE | R091 | 0195881R | RES 2125 CHIP 1/16W 180J TAPE |
| R029 | 0195925R | RES 2125 CHIP 1/16W 10KJ TAPE | R092 | 0195868R | RES.MINI-CHIP RMC1/10 56-J TAPE |
| R030 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE | R093 | 0195868R | RES.MINI-CHIP RMC1/10 56-J TAPE |
| R031 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE | R094 | 0195868R | RES.MINI-CHIP RMC1/10 56-J TAPE |
| R032 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB | R095 | 0195893R | RES 2125 CHIP 1/16W 560J TAPE |
| R035 | 0700027M | RES.-CARBON FLM 1/16W 100-JB | R096 | 0195893R | RES 2125 CHIP 1/16W 560J TAPE |
| R036 | 0700027M | RES.-CARBON FLM 1/16W 100-JB | R097 | 0195902R | RES 2125 CHIP 1/16W 1.2KJ TAPE |
| R037 | 0195918R | RES 2125 CHIP 1/16W 5.6KJ TAPE | R098 | 0195933R | RES.2125 CHIP 1/16W 22KJ TAPE |
| R038 | 0195925R | RES 2125 CHIP 1/16W 10KJ TAPE | R099 | 0195933R | RES.2125 CHIP 1/16W 22KJ TAPE |
| R039 | 0195941R | RESISTOR 2125 CHIP 1/16W 47KJ TAPE | R0A2 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE |
| R040 | 0195918R | RES 2125 CHIP 1/16W 5.6KJ TAPE | R0A3 | 0195941R | RESISTOR 2125 CHIP 1/16W 47KJ TAPE |
| R041 | 0195927R | RES 2125 CHIP 1/16W 12KJ TAPE | R0A4 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE |
| R042 | 0195950R | RES 2125 CHIP 1/16W 100KJ TAPE | R0A5 | 0195960R | RES.MINI-CHIP RMC1/16 270K-J TAPE |
| R043 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE | R0A6 | 0195941R | RESISTOR 2125 CHIP 1/16W 47KJ TAPE |
| R044 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE | R0A7 | 0195925R | RES 2125 CHIP 1/16W 10KJ TAPE |
| R045 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE | R0A8 | 0195941R | RESISTOR 2125 CHIP 1/16W 47KJ TAPE |
| R046 | 0195943R | RES.2125 CHIP 1/16W 56KJ TAPE | R0A9 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE |
| R047 | 0195947R | RES.2125 CHIP 1/10W 82KJ TAPE | R0C0 | 0195960R | RES.MINI-CHIP RMC1/16 270K-J TAPE |
| R048 | 0195881R | RES 2125 CHIP 1/16W 180J TAPE | R0C1 | 0195941R | RESISTOR 2125 CHIP 1/16W 47KJ TAPE |
| R049 | 0700049M | RES.-CARBON FLM 1/16W 4.7K-JB | R0C2 | 0195925R | RES 2125 CHIP 1/16W 10KJ TAPE |
| R050 | 0195933R | RES.2125 CHIP 1/16W 22KJ TAPE | R0C5 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE |
| R051 | 0195950R | RES 2125 CHIP 1/16W 100KJ TAPE | R0C6 | 0700054M | RES.-CARBON FLM 1/16W 10K-JB |
| R052 | 0195925R | RES 2125 CHIP 1/16W 10KJ TAPE | R0C7 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE |
| R053 | 0195925R | RES 2125 CHIP 1/16W 10KJ TAPE | R0C8 | 0195950R | RES 2125 CHIP 1/16W 100KJ TAPE |
| R056 | 0195250R | RES 2125 CHIP 1/16W 000 TAPE | R100 | 0700027M | RES.-CARBON FLM 1/16W 100-JB |
| R057 | 0700027M | RES.-CARBON FLM 1/16W 100-JB | R101 | 0700027M | RES.-CARBON FLM 1/16W 100-JB |
| R058 | 0700027M | RES.-CARBON FLM 1/16W 100-JB | R102 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE |
| R059 | 0700027M | RES.-CARBON FLM 1/16W 100-JB | R103 | 0195908R | RES.2125 CHIP 1/10W 2.2KJ TAPE |
| R060 | 0195918R | RES 2125 CHIP 1/16W 5.6KJ TAPE | R104 | 0700054M | RES.-CARBON FLM 1/16W 10K-JB |
| R061 | 0195918R | RES 2125 CHIP 1/16W 5.6KJ TAPE | R105 | 0195925R | RES 2125 CHIP 1/16W 10KJ TAPE |

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| SYMBOL NO. | PART NO. | PART DESCRIPTION | SYMBOL NO. | PART NO. | PART DESCRIPTION |
|---|---|---|---|---|---|
| R106 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB | R171 | 0195960R | RES.MINI-CHIP RMC1/16 270K-J TAPE |
| R107 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE | R172 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE |
| R109 | 0195916R | RESISTOR 2125 CHIP 1/16W 4.7KJ TAPE | R173 | 0195950R | RES 2125 CHIP 1/16W 100KJ TAPE |
| R110 | 0700052M | RES.-CARBON FLM 1/16W 6.8K-JB | R174 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE |
| R111 | 0195937R | RES.2125 CHIP 1/16W 33KJ TAPE | R175 | 0195918R | RES 2125 CHIP 1/16W 5.6KJ TAPE |
| R112 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB | R176 | 0195941R | RESISTOR 2125 CHIP 1/16W 47KJ TAPE |
| R113 | 0195250R | RES 2125 CHIP 1/16W 000 TAPE | R177 | 0195925R | RES 2125 CHIP 1/16W 10KJ TAPE |
| R114 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE | R178 | 0195925R | RES 2125 CHIP 1/16W 10KJ TAPE |
| R115 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE | R179 | 0195935R | RES 2125 CHIP 1/16W 27K-J TAPE |
| R116 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE | R180 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE |
| R117 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE | R181 | 0195912R | RES 2125 CHIP 1/16W 3.3KJ TAPE |
| R120 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE | R184 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE |
| R121 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE | R186 | 0700027M | RES.-CARBON FLM 1/16W 100-JB |
| R122 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE | R187 | 0195893R | RES 2125 CHIP 1/16W 560J TAPE |
| R125 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB | R188 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE |
| R126 | 0195956R | RES.CHIP 1/16W 180K-J TAPE | R189 | 0114149M | RESISTOR-CARBON FILM SRD 1/4 PF 560-J |
| R127 | 0195956R | RES.CHIP 1/16W 180K-J TAPE | R190 | 0195916R | RESISTOR 2125 CHIP 1/16W 4.7KJ TAPE |
| R128 | 0700032M | RES.-CARBON FLM 1/16W 220-JB | R191 | 0195933R | RES.2125 CHIP 1/16W 22KJ TAPE |
| R129 | 0700027M | RES.-CARBON FLM 1/16W 100-JB | R192 | 0195927R | RES 2125 CHIP 1/16W 12KJ TAPE |
| R130 | 0195918R | RES 2125 CHIP 1/16W 5.6KJ TAPE | R193 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE |
| R131 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE | R194 | 0700063M | RES.-CARBON FLM 1/16W 47K-JB |
| R132 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE | R195 | 0195925R | RES 2125 CHIP 1/16W 10KJ TAPE |
| R133 | 0195925R | RES 2125 CHIP 1/16W 10KJ TAPE | R196 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE |
| R134 | 0195925R | RES 2125 CHIP 1/16W 10KJ TAPE | R197 | 0195925R | RES 2125 CHIP 1/16W 10KJ TAPE |
| R135 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE | R198 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB |
| R136 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE | R199 | 0700027M | RES.-CARBON FLM 1/16W 100-JB |
| R137 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB | R1C1 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE |
| R138 | 0700032M | RES.-CARBON FLM 1/16W 220-JB | R1C2 | 0195941R | RESISTOR 2125 CHIP 1/16W 47KJ TAPE |
| R140 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE | R1C3 | 0195925R | RES 2125 CHIP 1/16W 10KJ TAPE |
| R141 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE | R1C4 | 0195887R | RES 2125 CHIP 1/16W 330J TAPE |
| R142 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE | R1C5 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE |
| R143 | 0195950R | RES 2125 CHIP 1/16W 100KJ TAPE | R1C6 | 0195925R | RES 2125 CHIP 1/16W 10KJ TAPE |
| R144 | 0195918R | RES 2125 CHIP 1/16W 5.6KJ TAPE | R1C7 | 0700027M | RES.-CARBON FLM 1/16W 100-JB |
| R145 | 0195960R | RES.MINI-CHIP RMC1/16 270K-J TAPE | R1C8 | 0700027M | RES.-CARBON FLM 1/16W 100-JB |
| R146 | 0700027M | RES.-CARBON FLM 1/16W 100-JB | R1C9 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE |
| R147 | 0700027M | RES.-CARBON FLM 1/16W 100-JB | R1E1 | 0195893R | RES 2125 CHIP 1/16W 560J TAPE |
| R148 | 0700027M | RES.-CARBON FLM 1/16W 100-JB | R1E2 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE |
| R149 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE | R1E3 | 0195925R | RES 2125 CHIP 1/16W 10KJ TAPE |
| R150 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE | R1E4 | 0195925R | RES 2125 CHIP 1/16W 10KJ TAPE |
| R151 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE | R1E5 | 0195925R | RES 2125 CHIP 1/16W 10KJ TAPE |
| R152 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE | R1E6 | 0700027M | RES.-CARBON FLM 1/16W 100-JB |
| R153 | 0700027M | RES.-CARBON FLM 1/16W 100-JB | R1E7 | 0700027M | RES.-CARBON FLM 1/16W 100-JB |
| R154 | 0700027M | RES.-CARBON FLM 1/16W 100-JB | R1E8 | 0700027M | RES.-CARBON FLM 1/16W 100-JB |
| R155 | 0700027M | RES.-CARBON FLM 1/16W 100-JB | R1E9 | 0700027M | RES.-CARBON FLM 1/16W 100-JB |
| R156 | 0700027M | RES.-CARBON FLM 1/16W 100-JB | R1F1 | 0195925R | RES 2125 CHIP 1/16W 10KJ TAPE |
| R157 | 0700027M | RES.-CARBON FLM 1/16W 100-JB | R201 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB |
| R158 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE | R202 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB |
| R159 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE | R203 | 0195925R | RES 2125 CHIP 1/16W 10KJ TAPE |
| R160 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE | R204 | 0195925R | RES 2125 CHIP 1/16W 10KJ TAPE |
| R162 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB | R205 | 0700054M | RES.-CARBON FLM 1/16W 10K-JB |
| R163 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE | R206 | 0700054M | RES.-CARBON FLM 1/16W 10K-JB |
| R166 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE | R207 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB |
| R167 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE | R208 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB |
| R168 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE | R209 | 0195925R | RES 2125 CHIP 1/16W 10KJ TAPE |
| R169 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE | R210 | 0195925R | RES 2125 CHIP 1/16W 10KJ TAPE |
| R170 | 0700027M | RES.-CARBON FLM 1/16W 100-JB | R212 | 0195895R | RES.2125 CHIP 1/10W 680J TAPE |

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| SYMBOL NO. | PART NO. | PART DESCRIPTION | SYMBOL NO. | PART NO. | PART DESCRIPTION |
|---|---|---|---|---|---|
| R213 | 0196888R | RES 2125CHIP 1/10W1.0K-F TAPE | R293 | 0700027M | RES.-CARBON FLM 1/16W 100-JB |
| R216 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE | R294 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE |
| R217 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB | R295 | 0700027M | RES.-CARBON FLM 1/16W 100-JB |
| R219 | 0700038M | RES.-CARBON FLM 1/16W 680-JB | R296 | 0700045M | RES.-CARBON FLM 1/16W 2.2K-JB |
| R220 | 0196888R | RES 2125CHIP 1/10W1.0K-F TAPE | R297 | 0195908R | RES.2125 CHIP 1/10W 2.2KJ TAPE |
| R221 | 0195250R | RES 2125 CHIP 1/16W 000 TAPE | R298 | 0700045M | RES.-CARBON FLM 1/16W 2.2K-JB |
| R223 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE | R299 | 0195250R | RES 2125 CHIP 1/16W 000 TAPE |
| R224 | 0195925R | RES 2125 CHIP 1/16W 10KJ TAPE | R301 | 0195250R | RES 2125 CHIP 1/16W 000 TAPE |
| R225 | 0195941R | RESISTOR 2125 CHIP 1/16W 47KJ TAPE | R306 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE |
| R226 | 0195933R | RES.2125 CHIP 1/16W 22KJ TAPE | R307 | 0700027M | RES.-CARBON FLM 1/16W 100-JB |
| R227 | 0195939R | RES.2125 CHIP 1/16W 39KJ TAPE | R308 | 0195966R | RES 2125 CHIP 1/16W 470KJ TAPE |
| R228 | 0195941R | RESISTOR 2125 CHIP 1/16W 47KJ TAPE | R309 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE |
| R230 | 0195916R | RESISTOR 2125 CHIP 1/16W 4.7KJ TAPE | R310 | 0195943R | RES.2125 CHIP 1/16W 56KJ TAPE |
| R231 | 0195941R | RESISTOR 2125 CHIP 1/16W 47KJ TAPE | R311 | 0195941R | RESISTOR 2125 CHIP 1/16W 47KJ TAPE |
| R232 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE | R312 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE |
| R233 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE | R313 | 0195895R | RES.2125 CHIP 1/10W 680J TAPE |
| R234 | 0195916R | RESISTOR 2125 CHIP 1/16W 4.7KJ TAPE | R314 | 0196890R | RES 2125CHIP 1/10W1.2K-F TAPE |
| R235 | 0195941R | RESISTOR 2125 CHIP 1/16W 47KJ TAPE | R315 | 0196892R | RES 2125CHIP 1/16W1.5K-F TAPE |
| R236 | 0195941R | RESISTOR 2125 CHIP 1/16W 47KJ TAPE | R316 | 0195895R | RES.2125 CHIP 1/10W 680J TAPE |
| R237 | 0195941R | RESISTOR 2125 CHIP 1/16W 47KJ TAPE | R317 | 0195864R | RESISTOR MINI-CHIP RMC1/10 39-J TAPE |
| R238 | 0195922R | RES 2125 CHIP 1/16W 8.2KJ TAPE | R318 | 0195943R | RES.2125 CHIP 1/16W 56KJ TAPE |
| R243 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE | R319 | 0195941R | RESISTOR 2125 CHIP 1/16W 47KJ TAPE |
| R244 | 0195891R | RES 2125 CHIP 1/16W 470J TAPE | R320 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE |
| R245 | 0195889R | RES.2125 CHIP 1/10W 390J TAPE | R321 | 0195895R | RES.2125 CHIP 1/10W 680J TAPE |
| R246 | 0195908R | RES.2125 CHIP 1/10W 2.2KJ TAPE | R322 | 0196890R | RES 2125CHIP 1/10W1.2K-F TAPE |
| R247 | 0195927R | RES 2125 CHIP 1/16W 12KJ TAPE | R323 | 0196892R | RES 2125CHIP 1/16W1.5K-F TAPE |
| R248 | 0195929R | RES 2125 CHIP 1/16W 15KJ TAPE | R324 | 0195895R | RES.2125 CHIP 1/10W 680J TAPE |
| R249 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE | R325 | 0195864R | RESISTOR MINI-CHIP RMC1/10 39-J TAPE |
| R250 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB | R326 | 0195943R | RES.2125 CHIP 1/16W 56KJ TAPE |
| R251 | 0195931R | RES 2125 CHIP 1/16W 18KJ TAPE | R327 | 0195941R | RESISTOR 2125 CHIP 1/16W 47KJ TAPE |
| R252 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE | R328 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE |
| R253 | 0195922R | RES 2125 CHIP 1/16W 8.2KJ TAPE | R329 | 0195895R | RES.2125 CHIP 1/10W 680J TAPE |
| R254 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE | R330 | 0196890R | RES 2125CHIP 1/10W1.2K-F TAPE |
| R255 | 0196872R | RES 2125CHIP 1/10W 220-F TAPE | R331 | 0196892R | RES 2125CHIP 1/16W1.5K-F TAPE |
| R256 | 0196872R | RES 2125CHIP 1/10W 220-F TAPE | R332 | 0195895R | RES.2125 CHIP 1/10W 680J TAPE |
| R257 | 0196880R | RES 2125CHIP 1/10W 470-F TAPE | R333 | 0195864R | RESISTOR MINI-CHIP RMC1/10 39-J TAPE |
| R258 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE | R334 | 0100059M | RES.-CARBON FLM 1/8W 560-JB |
| R259 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE | R335 | 0100059M | RES.-CARBON FLM 1/8W 560-JB |
| R268 | 0195888R | RESISTOR MINI-CHIP RMC1/10 360-J TAPE | R337 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE |
| R269 | 0195911R | RESISTOR MINI-CHIP RMC1/16 3.0K-J TAPE | R338 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE |
| R270 | 0195936R | RESISTOR MINI-CHIP RMC1/16 30K-J TAPE | R339 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE |
| R271 | 0195250R | RES 2125 CHIP 1/16W 000 TAPE | R340 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE |
| R273 | 0195250R | RES 2125 CHIP 1/16W 000 TAPE | R341 | 0195914R | RES 2125 CHIP 1/16W 3.9KJ TAPE |
| R274 | 0195925R | RES 2125 CHIP 1/16W 10KJ TAPE | R342 | 0195908R | RES.2125 CHIP 1/10W 2.2KJ TAPE |
| R275 | 0195925R | RES 2125 CHIP 1/16W 10KJ TAPE | R343 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE |
| R276 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE | R344 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE |
| R277 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE | R345 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE |
| R278 | 0195941R | RESISTOR 2125 CHIP 1/16W 47KJ TAPE | R346 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE |
| R279 | 0195941R | RESISTOR 2125 CHIP 1/16W 47KJ TAPE | R347 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE |
| R280 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE | R348 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE |
| R281 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE | R350 | 0196888R | RES 2125CHIP 1/10W1.0K-F TAPE |
| R282 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE | R351 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE |
| R283 | 0700027M | RES.-CARBON FLM 1/16W 100-JB | R354 | 0700027M | RES.-CARBON FLM 1/16W 100-JB |
| R284 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB | R355 | 0196888R | RES 2125CHIP 1/10W1.0K-F TAPE |
| R286 | 0195897R | RES 2125 CHIP 1/16W 820J TAPE | R356 | 0195866R | RES 2125 CHIP 1/16W 47J TAPE |
| R292 | 0195925R | RES 2125 CHIP 1/16W 10KJ TAPE | R357 | 0195956R | RES.CHIP 1/16W 180K-J TAPE |

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| SYMBOL NO. | PART NO. | PART DESCRIPTION | SYMBOL NO. | PART NO. | PART DESCRIPTION |
|---|---|---|---|---|---|
| R358 | 0195883R | RES 2125 CHIP 1/16W 220J TAPE | R450 | 0196946R | RES 2125CHIP 1/16W270K-F TAPE |
| R360 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE | R451 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE |
| R361 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE | R452 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE |
| R362 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE | R453 | 0196861R | RES 2125CHIP 1/10W 75-F TAPE |
| R367 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE | R454 | 0196861R | RES 2125CHIP 1/10W 75-F TAPE |
| R371 | 0195250R | RES 2125 CHIP 1/16W 000 TAPE | R455 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE |
| R372 | 0195250R | RES 2125 CHIP 1/16W 000 TAPE | R456 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE |
| R373 | 0195250R | RES 2125 CHIP 1/16W 000 TAPE | R457 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE |
| R401 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE | R458 | 0196861R | RES 2125CHIP 1/10W 75-F TAPE |
| R402 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE | R459 | 0700027M | RES.-CARBON FLM 1/16W 100-JB |
| R403 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE | R460 | 0700051M | RES.-CARBON FLM 1/16W 5.6K-JB |
| R404 | 0195891R | RES 2125 CHIP 1/16W 470J TAPE | R461 | 0700051M | RES.-CARBON FLM 1/16W 5.6K-JB |
| R404 | 0195908R | RES.2125 CHIP 1/10W 2.2KJ TAPE | R462 | 0700027M | RES.-CARBON FLM 1/16W 100-JB |
| R405 | 0195891R | RES 2125 CHIP 1/16W 470J TAPE | R463 | 0700027M | RES.-CARBON FLM 1/16W 100-JB |
| R405 | 0195908R | RES.2125 CHIP 1/10W 2.2KJ TAPE | R464 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE |
| R406 | 0195891R | RES 2125 CHIP 1/16W 470J TAPE | R465 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE |
| R406 | 0195908R | RES.2125 CHIP 1/10W 2.2KJ TAPE | R466 | 0196882R | RES 2125CHIP 1/10W 560-F TAPE |
| R407 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE | R467 | 0196882R | RES 2125CHIP 1/10W 560-F TAPE |
| R408 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE | R468 | 0196882R | RES 2125CHIP 1/10W 560-F TAPE |
| R409 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE | R469 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE |
| R410 | 0196880R | RES 2125CHIP 1/10W 470-F TAPE | R470 | 0196882R | RES 2125CHIP 1/10W 560-F TAPE |
| R411 | 0196880R | RES 2125CHIP 1/10W 470-F TAPE | R471 | 0196882R | RES 2125CHIP 1/10W 560-F TAPE |
| R412 | 0196880R | RES 2125CHIP 1/10W 470-F TAPE | R472 | 0196882R | RES 2125CHIP 1/10W 560-F TAPE |
| R413 | 0196872R | RES 2125CHIP 1/10W 220-F TAPE | R473 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE |
| R414 | 0196872R | RES 2125CHIP 1/10W 220-F TAPE | R474 | 0196882R | RES 2125CHIP 1/10W 560-F TAPE |
| R415 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE | R475 | 0196882R | RES 2125CHIP 1/10W 560-F TAPE |
| R416 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE | R476 | 0196882R | RES 2125CHIP 1/10W 560-F TAPE |
| R417 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE | R477 | 0196860R | RES 2125CHIP 1/10W 68-F TAPE |
| R418 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE | R478 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE |
| R419 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE | R479 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE |
| R420 | 0196904R | RES 2125CHIP 1/16W4.7K-F TAPE | R480 | 0195950R | RES 2125 CHIP 1/16W 100KJ TAPE |
| R421 | 0196898R | RES 2125CHIP 1/16W2.7K-F TAPE | R481 | 0195950R | RES 2125 CHIP 1/16W 100KJ TAPE |
| R422 | 0196900R | RES 2125CHIP 1/16W3.3K-F TAPE | R482 | 0195950R | RES 2125 CHIP 1/16W 100KJ TAPE |
| R425 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE | R483 | 0196860R | RES 2125CHIP 1/10W 68-F TAPE |
| R426 | 0196906R | RES 2125CHIP 1/16W5.6K-F TAPE | R484 | 0196860R | RES 2125CHIP 1/10W 68-F TAPE |
| R427 | 0196906R | RES 2125CHIP 1/16W5.6K-F TAPE | R485 | 0195950R | RES 2125 CHIP 1/16W 100KJ TAPE |
| R428 | 0700027M | RES.-CARBON FLM 1/16W 100-JB | R486 | 0195950R | RES 2125 CHIP 1/16W 100KJ TAPE |
| R431 | 0195250R | RES 2125 CHIP 1/16W 000 TAPE | R489 | 0195250R | RES 2125 CHIP 1/16W 000 TAPE |
| R432 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE | R490 | 0195925R | RES 2125 CHIP 1/16W 10KJ TAPE |
| R433 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE | R491 | 0195925R | RES 2125 CHIP 1/16W 10KJ TAPE |
| R434 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE | R492 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE |
| R435 | 0196906R | RES 2125CHIP 1/16W5.6K-F TAPE | R493 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE |
| R436 | 0196906R | RES 2125CHIP 1/16W5.6K-F TAPE | R494 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE |
| R437 | 0196861R | RES 2125CHIP 1/10W 75-F TAPE | R495 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE |
| R438 | 0196946R | RES 2125CHIP 1/16W270K-F TAPE | R496 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE |
| R439 | 0196946R | RES 2125CHIP 1/16W270K-F TAPE | R497 | 0196898R | RES 2125CHIP 1/16W2.7K-F TAPE |
| R440 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE | R498 | 0196898R | RES 2125CHIP 1/16W2.7K-F TAPE |
| R441 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE | R499 | 0196898R | RES 2125CHIP 1/16W2.7K-F TAPE |
| R442 | 0196861R | RES 2125CHIP 1/10W 75-F TAPE | R500 | 0196923R | RES 2125CHIP 1/16W 30K-F TAPE |
| R443 | 0196861R | RES 2125CHIP 1/10W 75-F TAPE | R501 | 0196899R | RES 2125CHIP 1/16W3.0K-F TAPE |
| R444 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE | R502 | 0195888R | RESISTOR MINI-CHIP RMC1/10 360-J TAPE |
| R445 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE | R506 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE |
| R446 | 0196906R | RES 2125CHIP 1/16W5.6K-F TAPE | R507 | 0195883R | RES 2125 CHIP 1/16W 220J TAPE |
| R447 | 0196906R | RES 2125CHIP 1/16W5.6K-F TAPE | R509 | 0196952R | RES 2125CHIP 1/16W470K-F TAPE |
| R448 | 0196861R | RES 2125CHIP 1/10W 75-F TAPE | R510 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB |
| R449 | 0196946R | RES 2125CHIP 1/16W270K-F TAPE | R511 | 0196930R | RES 2125CHIP 1/16W 56K-F TAPE |

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| SYMBOL NO. | PART NO. | PART DESCRIPTION | SYMBOL NO. | PART NO. | PART DESCRIPTION |
|---|---|---|---|---|---|
| R512 | 0196928R | RES 2125CHIP 1/16W 47K-F TAPE | R578 | 0195250R | RES 2125 CHIP 1/16W 000 TAPE |
| R513 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE | R582 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE |
| R514 | 0196884R | RES 2125CHIP 1/10W 680-F TAPE | R583 | 0195893R | RES 2125 CHIP 1/16W 560J TAPE |
| R515 | 0196890R | RES 2125CHIP 1/10W1.2K-F TAPE | R584 | 0195250R | RES 2125 CHIP 1/16W 000 TAPE |
| R516 | 0196892R | RES 2125CHIP 1/16W1.5K-F TAPE | R586 | 0196861R | RES 2125CHIP 1/10W 75-F TAPE |
| R517 | 0195895R | RES.2125 CHIP 1/10W 680J TAPE | R587 | 0196861R | RES 2125CHIP 1/10W 75-F TAPE |
| R518 | 0195870R | RES.2125 CHIP 1/10W 68J TAPE | R588 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE |
| R519 | 0196930R | RES 2125CHIP 1/16W 56K-F TAPE | R589 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE |
| R520 | 0196928R | RES 2125CHIP 1/16W 47K-F TAPE | R590 | 0195883R | RES 2125 CHIP 1/16W 220J TAPE |
| R521 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE | R591 | 0195956R | RES.CHIP 1/16W 180K-J TAPE |
| R522 | 0196884R | RES 2125CHIP 1/10W 680-F TAPE | R593 | 0195941R | RESISTOR 2125 CHIP 1/16W 47KJ TAPE |
| R523 | 0196890R | RES 2125CHIP 1/10W1.2K-F TAPE | R594 | 0195941R | RESISTOR 2125 CHIP 1/16W 47KJ TAPE |
| R524 | 0196892R | RES 2125CHIP 1/16W1.5K-F TAPE | R595 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE |
| R525 | 0195895R | RES.2125 CHIP 1/10W 680J TAPE | R596 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE |
| R526 | 0195870R | RES.2125 CHIP 1/10W 68J TAPE | R597 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE |
| R527 | 0196930R | RES 2125CHIP 1/16W 56K-F TAPE | R598 | 0195925R | RES 2125 CHIP 1/16W 10KJ TAPE |
| R528 | 0196928R | RES 2125CHIP 1/16W 47K-F TAPE | R599 | 0195922R | RES 2125 CHIP 1/16W 8.2KJ TAPE |
| R529 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE | R601 | 0700064M | RES.-CARBON FLM 1/16W 56K-JB |
| R530 | 0196884R | RES 2125CHIP 1/10W 680-F TAPE | R602 | 0700056M | RES.-CARBON FLM 1/16W 15K-JB |
| R531 | 0196890R | RES 2125CHIP 1/10W1.2K-F TAPE | R610 | 0100053M | RES.-CARBON FLM 1/8W 330-JB |
| R532 | 0196892R | RES 2125CHIP 1/16W1.5K-F TAPE | R617 | AT03242S | METAL OX. 100OHM 1W |
| R533 | 0195895R | RES.2125 CHIP 1/10W 680J TAPE | R618 | 0113725M | RESISTOR CARBON FILM SRD1/2P-B 100-J |
| R534 | 0195870R | RES.2125 CHIP 1/10W 68J TAPE | R619 | 0113725M | RESISTOR CARBON FILM SRD1/2P-B 100-J |
| R535 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE | R620 | 0113725M | RESISTOR CARBON FILM SRD1/2P-B 100-J |
| R536 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE | R621 | 0188097M | RES.-CARBON FLM 3.3-J 1/2W |
| R537 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE | R629 | 0100117M | RES.-CARBON FLM 1/8W 150K-JB |
| R539 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE | R630 | AW00129 | TRIMMER RESISTOR |
| R542 | 0196886R | RES 2125CHIP 1/10W 820-F TAPE | R631 | 0188171M | RES.-CARBON FLM 1M-JB 1/2W |
| R548 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE | R632 | 0188171M | RES.-CARBON FLM 1M-JB 1/2W |
| R549 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE | R634 | 0700058M | RES.-CARBON FLM 1/16W 22K-JB |
| R550 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE | R637 | 0700047M | RES.-CARBON FLM 1/16W 3.3K-JB |
| R551 | 0700044M | RES.-CARBON FLM 1/16W 1.8K-JB | R638 | 0700032M | RES.-CARBON FLM 1/16W 220-JB |
| R552 | 0700044M | RES.-CARBON FLM 1/16W 1.8K-JB | R639 | 0700053M | RES.-CARBON FLM 1/16W 8.2K-JB |
| R553 | 0700044M | RES.-CARBON FLM 1/16W 1.8K-JB | R640 | 0100045M | RES.-CARBON FLM 1/8W 150-JB |
| R554 | 0195250R | RES 2125 CHIP 1/16W 000 TAPE | R641 | 0119732M | RES.-METAL OXIDE FILM 1.2-JB |
| R555 | 0195250R | RES 2125 CHIP 1/16W 000 TAPE | R642 | 0119732M | RES.-METAL OXIDE FILM 1.2-JB |
| R556 | 0195250R | RES 2125 CHIP 1/16W 000 TAPE | R645 | 0119731M | RES.-MTL 0X1DE 1W R68-K TAPE |
| R557 | 0195250R | RES 2125 CHIP 1/16W 000 TAPE | R646 | 0700054M | RES.-CARBON FLM 1/16W 10K-JB |
| R558 | 0195250R | RES 2125 CHIP 1/16W 000 TAPE | R647 | 0700059M | RES.-CARBON FLM 1/16W 27K-JB |
| R559 | 0195250R | RES 2125 CHIP 1/16W 000 TAPE | R648 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB |
| R560 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE | R649 | 0100053M | RES.-CARBON FLM 1/8W 330-JB |
| R561 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE | R651 | 0700044M | RES.-CARBON FLM 1/16W 1.8K-JB |
| R562 | 0196861R | RES 2125CHIP 1/10W 75-F TAPE | R652 | 0700058M | RES.-CARBON FLM 1/16W 22K-JB |
| R563 | 0196861R | RES 2125CHIP 1/10W 75-F TAPE | R658 | 0100063M | RES.-CARBON FLM 1/8W 820-JB |
| R564 | 0196861R | RES 2125CHIP 1/10W 75-F TAPE | R659 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB |
| R565 | 0196861R | RES 2125CHIP 1/10W 75-F TAPE | R660 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB |
| R566 | 0196861R | RES 2125CHIP 1/10W 75-F TAPE | R661 | 0700046M | RES.-CARBON FLM 1/16W 2.7K-JB |
| R567 | 0196861R | RES 2125CHIP 1/10W 75-F TAPE | R662 | 0700046M | RES.-CARBON FLM 1/16W 2.7K-JB |
| R568 | 0195250R | RES 2125 CHIP 1/16W 000 TAPE | R663 | 0700063M | RES.-CARBON FLM 1/16W 47K-JB |
| R569 | 0195250R | RES 2125 CHIP 1/16W 000 TAPE | R664 | 0700054M | RES.-CARBON FLM 1/16W 10K-JB |
| R570 | 0195250R | RES 2125 CHIP 1/16W 000 TAPE | R667 | 0700053M | RES.-CARBON FLM 1/16W 8.2K-JB |
| R571 | 0195250R | RES 2125 CHIP 1/16W 000 TAPE | R668 | 0700055M | RES.-CARBON FLM 1/16W 12K-JB |
| R572 | 0195250R | RES 2125 CHIP 1/16W 000 TAPE | R669 | 0700046M | RES.-CARBON FLM 1/16W 2.7K-JB |
| R573 | 0195250R | RES 2125 CHIP 1/16W 000 TAPE | R670 | 0700063M | RES.-CARBON FLM 1/16W 47K-JB |
| R576 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE | R671 | 0700046M | RES.-CARBON FLM 1/16W 2.7K-JB |
| R577 | 0195893R | RES 2125 CHIP 1/16W 560J TAPE | R672 | 0700051M | RES.-CARBON FLM 1/16W 5.6K-JB |

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| SYMBOL NO. | PART NO. | PART DESCRIPTION | SYMBOL NO. | PART NO. | PART DESCRIPTION |
|---|---|---|---|---|---|
| R673 | 0188117M | RES.-CARBON FLM 1/2W 100-JB | R780 | AT03562S | METAL OX. 100OHM 3W |
| R674 | 0188104M | RES.-CARBON FLM 1/2W 10-JB | R781 | 0188141M | RES.-CARBON FLM 1/2W 5.6K-JB |
| R675 | AT03293S | METAL OX. 8.2KOHM 1W | R788 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB |
| R676 | 0700054M | RES.-CARBON FLM 1/16W 10K-JB | R802 | 0100041M | RES.-CARBON FLM 1/8W 100-JB |
| R677 | 0700054M | RES.-CARBON FLM 1/16W 10K-JB | R803 | 0100047M | RES.-CARBON FLM 1/8W 180-JB |
| R678 | 0700054M | RES.-CARBON FLM 1/16W 10K-JB | R804 | 0100017M | RES.-CARBON FLM 1/8W 10-JB |
| R681 | 0700049M | RES.-CARBON FLM 1/16W 4.7K-JB | R805 | 0100025M | RES.-CARBON FLM 1/8W 22-JB |
| R682 | 0700054M | RES.-CARBON FLM 1/16W 10K-JB | R806 | 0119559M | RES.-MTL FLM 1/8W 10-FB |
| R683 | AW00126 | TRIMMER RESISTOR | R807 | 0114149M | RESISTOR-CARBON FILM SRD 1/4 PF 560-J |
| R684 | 0700049M | RES.-CARBON FLM 1/16W 4.7K-JB | R808 | 0100113M | RES.-CARBON FLM 1/8W 100K-JB |
| R685 | 0700045M | RES.-CARBON FLM 1/16W 2.2K-JB | R809 | 0100071M | RES.-CARBON FLM 1/8W 1.8K-JB |
| R686 | AW00126 | TRIMMER RESISTOR | R810 | 0100065M | RES.-CARBON FLM 1/8W 1K-JB |
| R687 | 0700058M | RES.-CARBON FLM 1/16W 22K-JB | R811 | 0144067 | RS99J3Y122JF |
| R701 | 0187084M | RES.-CARBON FLM 1/16W 6.2K-JB | R812 | 0144067 | RS99J3Y122JF |
| R702 | 0187054M | RES.-CARBON FLM 1/16W 360-JB | R813 | 0100035M | RES.-CARBON FLM 1/8W 56-JB |
| R703 | 0700027M | RES.-CARBON FLM 1/16W 100-JB | R814 | 0100035M | RES.-CARBON FLM 1/8W 56-JB |
| R704 | 0700027M | RES.-CARBON FLM 1/16W 100-JB | R815 | 0113725M | RESISTOR CARBON FILM SRD1/2P-B 100-J |
| R705 | 0700046M | RES.-CARBON FLM 1/16W 2.7K-JB | R816 | 0113815M | RESISTOR CARBON FILM SRD1/2P-B 470K-J |
| R706 | 0700058M | RES.-CARBON FLM 1/16W 22K-JB | R817 | 0114289M | RESISTOR-CARBON FILM SRD 1/4 P 220K-J |
| R707 | 0700054M | RES.-CARBON FLM 1/16W 10K-JB | R818 | 0114289M | RESISTOR-CARBON FILM SRD 1/4 P 220K-J |
| R708 | 0700048M | RES.-CARBON FLM 1/16W 3.9K-JB | R828 | 0100047M | RES.-CARBON FLM 1/8W 180-JB |
| R709 | 0700047M | RES.-CARBON FLM 1/16W 3.3K-JB | R829 | 0150001 | RESISTOR-VARIABLE CARBON RV08 200-B |
| R710 | 0700054M | RES.-CARBON FLM 1/16W 10K-JB | R830 | 0100049M | RES.-CARBON FLM 1/8W 220-JB |
| R711 | 0700045M | RES.-CARBON FLM 1/16W 2.2K-JB | R831 | 0100075M | RES.-CARBON FLM 1/8W 2.7K-JB |
| R712 | 0700027M | RES.-CARBON FLM 1/16W 100-JB | R832 | 0100077M | RES.-CARBON FLM 1/8W 3.3K-JB |
| R713 | 0700027M | RES.-CARBON FLM 1/16W 100-JB | R850 | 0100065M | RES.-CARBON FLM 1/8W 1K-JB |
| R714 | 0100065M | RES.-CARBON FLM 1/8W 1K-JB | R852 | 0100041M | RES.-CARBON FLM 1/8W 100-JB |
| R715 | 0700046M | RES.-CARBON FLM 1/16W 2.7K-JB | R853 | 0100047M | RES.-CARBON FLM 1/8W 180-JB |
| R716 | 0700053M | RES.-CARBON FLM 1/16W 8.2K-JB | R854 | 0100017M | RES.-CARBON FLM 1/8W 10-JB |
| R717 | 0700058M | RES.-CARBON FLM 1/16W 22K-JB | R855 | 0100025M | RES.-CARBON FLM 1/8W 22-JB |
| R718 | 0700058M | RES.-CARBON FLM 1/16W 22K-JB | R856 | 0119559M | RES.-MTL FLM 1/8W 10-FB |
| R720 | 0700063M | RES.-CARBON FLM 1/16W 47K-JB | R857 | 0114149M | RESISTOR-CARBON FILM SRD 1/4 PF 560-J |
| R721 | 0700063M | RES.-CARBON FLM 1/16W 47K-JB | R858 | 0100113M | RES.-CARBON FLM 1/8W 100K-JB |
| R722 | 0700045M | RES.-CARBON FLM 1/16W 2.2K-JB | R859 | 0100073M | RES.-CARBON FLM 1/8W 2.2K-JB |
| R723 | 0700046M | RES.-CARBON FLM 1/16W 2.7K-JB | R861 | 0144067 | RS99J3Y122JF |
| R731 | 0700049M | RES.-CARBON FLM 1/16W 4.7K-JB | R862 | 0144067 | RS99J3Y122JF |
| R751 | 0700034M | RES.-CARBON FLM 1/16W 330-JB | R863 | 0100035M | RES.-CARBON FLM 1/8W 56-JB |
| R752 | 0700032M | RES.-CARBON FLM 1/16W 220-JB | R864 | 0100035M | RES.-CARBON FLM 1/8W 56-JB |
| R753 | 0188129M | RES.-CARBOM FLM 820-J 1/2W | R865 | 0113725M | RESISTOR CARBON FILM SRD1/2P-B 100-J |
| R754 | AT03419S | METAL OX. 470 OHM 2W | R866 | 0113815M | RESISTOR CARBON FILM SRD1/2P-B 470K-J |
| R755 | AT03419S | METAL OX. 470 OHM 2W | R867 | 0100069M | RES.-CARBON FLM 1/8W 1.5K-JB |
| R756 | 0119688M | RES.-MTL FLM 1W 0.22-JB | R868 | 0114141M | RES.-CARBON FLM 1/4W 270-JB |
| R757 | 0119688M | RES.-MTL FLM 1W 0.22-JB | R870 | 0114153M | RES.-CARBON FILM 1/4W 820-JB |
| R758 | 0188104M | RES.-CARBON FLM 1/2W 10-JB | R873 | 0100059M | RES.-CARBON FLM 1/8W 560-JB |
| R759 | AT03251S | METAL OX. 220OHM 1W | R878 | 0100045M | RES.-CARBON FLM 1/8W 150-JB |
| R760 | AT03251S | METAL OX. 220OHM 1W | R879 | 0150001 | RESISTOR-VARIABLE CARBON RV08 200-B |
| R766 | 0700047M | RES.-CARBON FLM 1/16W 3.3K-JB | R880 | 0100049M | RES.-CARBON FLM 1/8W 220-JB |
| R769 | 0700062M | RES.-CARBON FLM 1/16W 39K-JB | R881 | 0100075M | RES.-CARBON FLM 1/8W 2.7K-JB |
| R770 | 0700067M | RES.-CARBON FLM 1/16W 100K-JB | R882 | 0100077M | RES.-CARBON FLM 1/8W 3.3K-JB |
| R771 | 0700059M | RES.-CARBON FLM 1/16W 27K-JB | R8A2 | 0100041M | RES.-CARBON FLM 1/8W 100-JB |
| R772 | 0700059M | RES.-CARBON FLM 1/16W 27K-JB | R8A3 | 0100047M | RES.-CARBON FLM 1/8W 180-JB |
| R773 | 0700052M | RES.-CARBON FLM 1/16W 6.8K-JB | R8A4 | 0100017M | RES.-CARBON FLM 1/8W 10-JB |
| R775 | 0100085M | RES.-CARBON FLM 1/8W 6.8K-JB | R8A5 | 0100037M | RES.-CARBON FLM 1/8W 68-JB |
| R776 | 0700055M | RES.-CARBON FLM 1/16W 12K-JB | R8A6 | 0119559M | RES.-MTL FLM 1/8W 10-FB |
| R777 | 0700032M | RES.-CARBON FLM 1/16W 220-JB | R8A7 | 0114149M | RESISTOR-CARBON FILM SRD 1/4 PF 560-J |
| R778 | 0188122M | RES.-CARBON FLM 220-J 1/2W | R8A8 | 0100113M | RES.-CARBON FLM 1/8W 100K-JB |

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| SYMBOL NO. | PART NO. | PART DESCRIPTION |
|---|---|---|
| R8A9 | 0100073M | RES.-CARBON FLM 1/8W 2.2K-JB |
| R8C0 | 0100065M | RES.-CARBON FLM 1/8W 1K-JB |
| R8C1 | 0144067 | RS99J3Y122JF |
| R8C2 | 0144067 | RS99J3Y122JF |
| R8C3 | 0100035M | RES.-CARBON FLM 1/8W 56-JB |
| R8C4 | 0100035M | RES.-CARBON FLM 1/8W 56-JB |
| R8C5 | 0113725M | RESISTOR CARBON FILM SRD1/2P-B 100-J |
| R8C6 | 0113815M | RESISTOR CARBON FILM SRD1/2P-B 470K-J |
| R8E3 | 0100089M | RES.-CARBON FLM 1/8W 10K-JB |
| R8E4 | 0100105M | RES.-CARBON FLM 1/8W 47K-JB |
| R8E5 | 0100037M | RES.-CARBON FLM 1/8W 68-JB |
| R8E6 | 0100067M | RES.-CARBON FLM 1/8W 1.2K-JB |
| R8E7 | 0100087M | RES.-CARBON FLM 1/8W 8.2K-JB |
| R8E8 | 0100083M | RES.-CARBON FLM 1/8W 5.6K-JB |
| R8F0 | 0100049M | RES.-CARBON FLM 1/8W 220-JB |
| R8F1 | 0100075M | RES.-CARBON FLM 1/8W 2.7K-JB |
| R8F2 | 0100077M | RES.-CARBON FLM 1/8W 3.3K-JB |
| ⚠ R901 | AT03665M | RES.MTL GRAZD FLM 1/2W 1M |
| ⚠ R902 | 0147702 | RES.WIRE WOUND 10W 0.47 OHM CEMENTED |
| R903 | 0188162M | RES.-CARBON FLM 220K-JB 1/2W |
| R904 | 0188162M | RES.-CARBON FLM 220K-JB 1/2W |
| R905 | AT03448S | METAL OX. 5.6KOHM 2W |
| R906 | AT03448S | METAL OX. 5.6KOHM 2W |
| R907 | 0700055M | RES.-CARBON FLM 1/16W 12K-JB |
| R908 | 0100037M | RES.-CARBON FLM 1/8W 68-JB |
| R909 | 0100033M | RES.-CARBON FLM 1/8W 47-JB |
| R910 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB |
| R911 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB |
| R912 | 0700038M | RES.-CARBON FLM 1/16W 680-JB |
| R914 | 0188104M | RES.-CARBON FLM 1/2W 10-JB |
| R916 | 0100073M | RES.-CARBON FLM 1/8W 2.2K-JB |
| R917 | 0700036M | RES.-CARBON FLM 1/16W 470-JB |
| R918 | AT01534S | METAL FILM 0.22OHM 1/2W |
| R919 | AT01534S | METAL FILM 0.22OHM 1/2W |
| ⚠ R921 | AT03665M | RES.MTL GRAZD FLM 1/2W 1M |
| R922 | 0188157M | RES.-CARBON FLM 100K-JB 1/2W |
| ⚠ R923 | 0147702 | RES.WIRE WOUND 10W 0.47 OHM CEMENTED |
| ⚠ R924 | 0147060 | RES.-WIRE WOUND 2W 33-K |
| R926 | 0188146M | RES.-CARBON FLM 1/4W 15K-JB |
| R927 | 0188133M | RES.-CARBON FLM 1/2W 1.5K-JB |
| R928 | 0700038M | RES.-CARBON FLM 1/16W 680-JB |
| R929 | 0700045M | RES.-CARBON FLM 1/16W 2.2K-JB |
| R930 | 0700049M | RES.-CARBON FLM 1/16W 4.7K-JB |
| R931 | 0700036M | RES.-CARBON FLM 1/16W 470-JB |
| R932 | 0700045M | RES.-CARBON FLM 1/16W 2.2K-JB |
| R933 | 0700051M | RES.-CARBON FLM 1/16W 5.6K-JB |
| R934 | 0700028M | RES.-CARBON FLM 1/16W 120-JB |
| R935 | 0700042M | RES.-CARBON FLM 1/16W 1.2K-JB |
| R936 | 0700043M | RES.-CARBON FLM 1/16W 1.5K-JB |
| R937 | 0700024M | RES.-CARBON FLM 1/16W 56-J |
| R938 | 0700047M | RES.-CARBON FLM 1/16W 3.3K-JB |
| R939 | 0700051M | RES.-CARBON FLM 1/16W 5.6K-JB |
| R940 | 0100073M | RES.-CARBON FLM 1/8W 2.2K-JB |
| R941 | 0700055M | RES.-CARBON FLM 1/16W 12K-JB |
| R942 | 0700055M | RES.-CARBON FLM 1/16W 12K-JB |
| R943 | 0700054M | RES.-CARBON FLM 1/16W 10K-JB |
| R944 | 0700049M | RES.-CARBON FLM 1/16W 4.7K-JB |
| R945 | 0188136M | RES.-CARBON FLM 2.7K-J 1/2W |
| R946 | 0100087M | RES.-CARBON FLM 1/8W 8.2K-JB |
| R947 | 0100096M | RES.-CARBON FLM 1/8W 20K-JB |
| R948 | 0700052M | RES.-CARBON FLM 1/16W 6.8K-JB |
| R949 | 0100083M | RES.-CARBON FLM 1/8W 5.6K-JB |
| R950 | 0700054M | RES.-CARBON FLM 1/16W 10K-JB |
| R951 | 0700049M | RES.-CARBON FLM 1/16W 4.7K-JB |
| R952 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB |
| R953 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB |
| R954 | 0700058M | RES.-CARBON FLM 1/16W 22K-JB |
| ⚠ R955 | 0700043M | RES.-CARBON FLM 1/16W 1.5K-JB |
| ⚠ R956 | 0700038M | RES.-CARBON FLM 1/16W 680-JB |
| R957 | 0700027M | RES.-CARBON FLM 1/16W 100-JB |
| R958 | 0700058M | RES.-CARBON FLM 1/16W 22K-JB |
| R959 | 0700054M | RES.-CARBON FLM 1/16W 10K-JB |
| R960 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB |
| R963 | 0700056M | RES.-CARBON FLM 1/16W 15K-JB |
| R964 | 0700045M | RES.-CARBON FLM 1/16W 2.2K-JB |
| R965 | 0700052M | RES.-CARBON FLM 1/16W 6.8K-JB |
| R966 | 0700046M | RES.-CARBON FLM 1/16W 2.7K-JB |
| R967 | 0700047M | RES.-CARBON FLM 1/16W 3.3K-JB |
| R968 | 0700045M | RES.-CARBON FLM 1/16W 2.2K-JB |
| R969 | 0700054M | RES.-CARBON FLM 1/16W 10K-JB |
| R970 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB |
| ⚠ R971 | AT03665M | RES.MTL GRAZD FLM 1/2W 1M |
| RC01 | 0195908R | RES.2125 CHIP 1/10W 2.2KJ TAPE |
| RC02 | 0195908R | RES.2125 CHIP 1/10W 2.2KJ TAPE |
| RC03 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB |
| RC04 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE |
| RC05 | 0195908R | RES.2125 CHIP 1/10W 2.2KJ TAPE |
| RC06 | 0195908R | RES.2125 CHIP 1/10W 2.2KJ TAPE |
| RC07 | 0195941R | RESISTOR 2125 CHIP 1/16W 47KJ TAPE |
| RC08 | 0195950R | RES 2125 CHIP 1/16W 100KJ TAPE |
| RC09 | 0195941R | RESISTOR 2125 CHIP 1/16W 47KJ TAPE |
| RC10 | 0700036M | RES.-CARBON FLM 1/16W 470-JB |
| RC11 | 0700058M | RES.-CARBON FLM 1/16W 22K-JB |
| RC12 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE |
| RC13 | 0195945R | RES 2125 CHIP 1/16W 68KJ TAPE |
| RC14 | 0195945R | RES 2125 CHIP 1/16W 68KJ TAPE |
| RC15 | AT01549S | METAL FILM RESISTOR(2.2OHM 1W ) |
| RC16 | AT01549S | METAL FILM RESISTOR(2.2OHM 1W ) |
| RC17 | 0114161M | RES.-CARBON FLM 1/4W 1K-JB |
| RC18 | 0114161M | RES.-CARBON FLM 1/4W 1K-JB |
| RE01 | 0100065M | RES.-CARBON FLM 1/8W 1K-JB |
| RE02 | 0700055M | RES.-CARBON FLM 1/16W 12K-JB |
| RE03 | 0700066M | RES.-CARBON FLM 1/16W 82K-JB |
| RE04 | 0700024M | RES.-CARBON FLM 1/16W 56-J |
| RE05 | 0114147M | RES.-CARBON FLM 1/4W 470-JB |
| RE06 | 0700018M | RES.-CARBON FLM 1/16W 22-J |
| RE07 | 0700054M | RES.-CARBON FLM 1/16W 10K-JB |
| RE08 | 0700054M | RES.-CARBON FLM 1/16W 10K-JB |
| RE09 | 0700055M | RES.-CARBON FLM 1/16W 12K-JB |
| RE10 | 0700055M | RES.-CARBON FLM 1/16W 12K-JB |
| RE11 | 0700027M | RES.-CARBON FLM 1/16W 100-JB |
| RE12 | 0700024M | RES.-CARBON FLM 1/16W 56-J |

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| SYMBOL NO. | PART NO. | PART DESCRIPTION | SYMBOL NO. | PART NO. | PART DESCRIPTION |
|---|---|---|---|---|---|
| RE13 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB | RF14 | AT03654M | RES.MTL GRAZD FLM 1/2W 180K |
| RE16 | 0700027M | RES.-CARBON FLM 1/16W 100-JB | RF15 | AT03654M | RES.MTL GRAZD FLM 1/2W 180K |
| RE17 | 0114171M | RES.-CARBON FLM 1/4W 2.7K-JB | RF16 | AT03662M | RES.MTL GRAZD FLM 1/2W 560K |
| RE18 | 0700065M | RES.-CARBON FLM 1/16W 68K-JB | RF17 | AT03662M | RES.MTL GRAZD FLM 1/2W 560K |
| RE19 | 0700052M | RES.-CARBON FLM 1/16W 6.8K-JB | RF18 | 0187096M | RES.-CARBON FLM 1/16W 20K-JB |
| RE20 | 0700024M | RES.-CARBON FLM 1/16W 56-J | RF19 | 0700049M | RES.-CARBON FLM 1/16W 4.7K-JB |
| RE21 | 0114131M | RES.-CARBON FLM 1/4W 100-JB | RF20 | 0700063M | RES.-CARBON FLM 1/16W 47K-JB |
| RE23 | 0114153M | RES.-CARBON FILM 1/4W 820-JB | RF21 | AT03662M | RES.MTL GRAZD FLM 1/2W 560K |
| RE24 | 0700027M | RES.-CARBON FLM 1/16W 100-JB | RF22 | AT03662M | RES.MTL GRAZD FLM 1/2W 560K |
| RE27 | 0113750M | RES.-CARBON FLM 1/2W 1K-JB | RF23 | 0700059M | RES.-CARBON FLM 1/16W 27K-JB |
| RE28 | 0700017M | RES.-CARBON FLM 1/16W 18-J | RF24 | 0700049M | RES.-CARBON FLM 1/16W 4.7K-JB |
| RE29 | 0113750M | RES.-CARBON FLM 1/2W 1K-JB | RF25 | AT03661M | RES.MTL GRAZD FLM 1/2W 470K |
| RE31 | 0700014M | RES.-CARBON FLM 1/16W 10-J | RF26 | 0113789M | RESISTOR-CARBON FILM SRD1/2P-B 39K-J |
| RE32 | 0700014M | RES.-CARBON FLM 1/16W 10-J | RF27 | 0700045M | RES.-CARBON FLM 1/16W 2.2K-JB |
| RE33 | 0114041M | RESISTOR-CARBON FILM SRD 1/4P 10J | RF30 | 0113789M | RESISTOR-CARBON FILM SRD1/2P-B 39K-J |
| RE50 | 0110237S | RES.-MTL OXIDE FLM 2W 470-J | RF35 | AT03588S | METAL OX. 1.0KOHM 3W |
| RE51 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB | RF36 | 0188171M | RES.-CARBON FLM 1M-JB 1/2W |
| RE52 | 0100021M | RES.-CARBON FLM 1/8W 15-JB | RF37 | 0188117M | RES.-CARBON FLM 1/2W 100-JB |
| RE53 | 0700027M | RES.-CARBON FLM 1/16W 100-JB | RF40 | 0188135M | RES.-CARBON FLM 1/4W 2.2K-JB |
| RE54 | 0700027M | RES.-CARBON FLM 1/16W 100-JB | RG01 | 0196924R | RES 2125CHIP 1/16W 33K-F TAPE |
| RE55 | 0700067M | RES.-CARBON FLM 1/16W 100K-JB | RG02 | 0196924R | RES 2125CHIP 1/16W 33K-F TAPE |
| RE56 | 0100065M | RES.-CARBON FLM 1/8W 1K-JB | RG03 | 0196924R | RES 2125CHIP 1/16W 33K-F TAPE |
| RE57 | 0113791M | RES.-CARBON FLM 1/2W 47K-JB | RG04 | 0196924R | RES 2125CHIP 1/16W 33K-F TAPE |
| RE60 | 0114281M | RESISTOR-CARBON FILM SRD 1/4P 100K-J | RG05 | 0196924R | RES 2125CHIP 1/16W 33K-F TAPE |
| RE61 | 0100065M | RES.-CARBON FLM 1/8W 1K-JB | RG06 | 0196924R | RES 2125CHIP 1/16W 33K-F TAPE |
| RE62 | 0100017M | RES.-CARBON FLM 1/8W 10-JB | RG07 | 0196932R | RES 2125CHIP 1/16W 68K-F TAPE |
| RE66 | 0100017M | RES.-CARBON FLM 1/8W 10-JB | RG08 | 0196932R | RES 2125CHIP 1/16W 68K-F TAPE |
| RE67 | 0114057M | RESISTOR-CARBON FILM SRD 1/4 PF 47-J | RG09 | 0196932R | RES 2125CHIP 1/16W 68K-F TAPE |
| RE68 | 0114057M | RESISTOR-CARBON FILM SRD 1/4 PF 47-J | RG10 | 0196932R | RES 2125CHIP 1/16W 68K-F TAPE |
| RE69 | 0113698M | RES.-CARBON FLM 1/2W 8.2-J | RG11 | 0196932R | RES 2125CHIP 1/16W 68K-F TAPE |
| RE70 | 0113698M | RES.-CARBON FLM 1/2W 8.2-J | RG12 | 0196932R | RES 2125CHIP 1/16W 68K-F TAPE |
| RE71 | 0100029M | RES.-CARBON FLM 1/8W 33-JB | RG13 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE |
| RE72 | 0100029M | RES.-CARBON FLM 1/8W 33-JB | RG14 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE |
| RE73 | 0100095M | RES.-CARBON FLM 1/8W 18K-JB | RG15 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE |
| RE74 | 0114219M | RES.-CARBON FLM 1/4W 56K-JB | RG16 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE |
| RE75 | 0114219M | RES.-CARBON FLM 1/4W 56K-JB | RG17 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE |
| RE76 | 0100095M | RES.-CARBON FLM 1/8W 18K-JB | RG18 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE |
| RE77 | 0110329S | RES.-MTL OXIDE FLM 3W 220-JS | RG19 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE |
| RE78 | 0110329S | RES.-MTL OXIDE FLM 3W 220-JS | RG20 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE |
| REE5 | 0114281M | RESISTOR-CARBON FILM SRD 1/4P 100K-J | RG21 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE |
| REE6 | 0700065M | RES.-CARBON FLM 1/16W 68K-JB | RG22 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE |
| REE7 | 0700064M | RES.-CARBON FLM 1/16W 56K-JB | RG23 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE |
| REF0 | 0100113M | RES.-CARBON FLM 1/8W 100K-JB | RG24 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE |
| REF1 | 0700055M | RES.-CARBON FLM 1/16W 12K-JB | RG25 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE |
| REF4 | 0700047M | RES.-CARBON FLM 1/16W 3.3K-JB | RG26 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE |
| RF02 | 0700054M | RES.-CARBON FLM 1/16W 10K-JB | RG27 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE |
| RF03 | 0700063M | RES.-CARBON FLM 1/16W 47K-JB | RG28 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE |
| RF04 | 0700067M | RES.-CARBON FLM 1/16W 100K-JB | RG29 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE |
| RF05 | 0700055M | RES.-CARBON FLM 1/16W 12K-JB | RG30 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE |
| RF06 | 0700042M | RES.-CARBON FLM 1/16W 1.2K-JB | RG55 | 0195904R | RESISTOR 2125 CHIP 1/16W 1.5KJ TAPE |
| RF07 | 0700054M | RES.-CARBON FLM 1/16W 10K-JB | RG56 | 0195904R | RESISTOR 2125 CHIP 1/16W 1.5KJ TAPE |
| RF08 | 0188117M | RES.-CARBON FLM 1/2W 100-JB | RG57 | 0195904R | RESISTOR 2125 CHIP 1/16W 1.5KJ TAPE |
| RF10 | 0700056M | RES.-CARBON FLM 1/16W 15K-JB | RG58 | 0195904R | RESISTOR 2125 CHIP 1/16W 1.5KJ TAPE |
| RF11 | 0700025M | RES.-CARBON FLM 1/16W 68-J | RG59 | 0195904R | RESISTOR 2125 CHIP 1/16W 1.5KJ TAPE |
| RF12 | 0700025M | RES.-CARBON FLM 1/16W 68-J | RG60 | 0195904R | RESISTOR 2125 CHIP 1/16W 1.5KJ TAPE |
| RF13 | AT03654M | RES.MTL GRAZD FLM 1/2W 180K | RG61 | 0195250R | RES 2125 CHIP 1/16W 000 TAPE |

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| SYMBOL NO. | PART NO. | PART DESCRIPTION | SYMBOL NO. | PART NO. | PART DESCRIPTION |
|---|---|---|---|---|---|
| RG62 | 0195250R | RES 2125 CHIP 1/16W 000 TAPE | RK18 | 0700048M | RES.-CARBON FLM 1/16W 3.9K-JB |
| RG63 | 0195250R | RES 2125 CHIP 1/16W 000 TAPE | RK22 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB |
| RG64 | 0195250R | RES 2125 CHIP 1/16W 000 TAPE | RK23 | 0700052M | RES.-CARBON FLM 1/16W 6.8K-JB |
| RG65 | 0195250R | RES 2125 CHIP 1/16W 000 TAPE | RK24 | 0700043M | RES.-CARBON FLM 1/16W 1.5K-JB |
| RG66 | 0195250R | RES 2125 CHIP 1/16W 000 TAPE | RK25 | 0700063M | RES.-CARBON FLM 1/16W 47K-JB |
| RG67 | 0195250R | RES 2125 CHIP 1/16W 000 TAPE | RK26 | 0700063M | RES.-CARBON FLM 1/16W 47K-JB |
| RG68 | 0195250R | RES 2125 CHIP 1/16W 000 TAPE | RK27 | 0700054M | RES.-CARBON FLM 1/16W 10K-JB |
| RH01 | 0700047M | RES.-CARBON FLM 1/16W 3.3K-JB | RK28 | 0700027M | RES.-CARBON FLM 1/16W 100-JB |
| RH10 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB | RK29 | 0700027M | RES.-CARBON FLM 1/16W 100-JB |
| RH11 | 0188103M | RES.-CARBON FLM 8.2-J 1/2W | RK30 | 0700027M | RES.-CARBON FLM 1/16W 100-JB |
| RH12 | 0188142M | RES.-CARBON FLM 1/2W 6.8K-JB | RK31 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB |
| RH17 | 0700047M | RES.-CARBON FLM 1/16W 3.3K-JB | RK32 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB |
| RH18 | 0100033M | RES.-CARBON FLM 1/8W 47-JB | RK33 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB |
| RH19 | 0100053M | RES.-CARBON FLM 1/8W 330-JB | RK34 | 0700063M | RES.-CARBON FLM 1/16W 47K-JB |
| ⚠ RH20 | 0148052 | RES.-WIRE WOUND 0.68-K 3W | RK35 | 0700063M | RES.-CARBON FLM 1/16W 47K-JB |
| RH31 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB | RK36 | 0700063M | RES.-CARBON FLM 1/16W 47K-JB |
| RH35 | 0700043M | RES.-CARBON FLM 1/16W 1.5K-JB | RK37 | 0700063M | RES.-CARBON FLM 1/16W 47K-JB |
| RH36 | 0700055M | RES.-CARBON FLM 1/16W 12K-JB | RK38 | 0700063M | RES.-CARBON FLM 1/16W 47K-JB |
| RH37 | 0700065M | RES.-CARBON FLM 1/16W 68K-JB | RK39 | 0700063M | RES.-CARBON FLM 1/16W 47K-JB |
| RH38 | 0187098M | RES.-CARBON FLM 1/16W 24K-JB | RK40 | 0700047M | RES.-CARBON FLM 1/16W 3.3K-JB |
| RH39 | 0700062M | RES.-CARBON FLM 1/16W 39K-JB | RK42 | AT01549S | METAL FILM RESISTOR(2.2OHM 1W ) |
| RH43 | 0100051M | RES.-CARBON FLM 1/8W 270-JB | RK43 | AT00501S | RES.MTL OXIDE FLM 2W 220 OHM |
| ⚠ RH44 | AW00208 | TRIMMER RESISTOR 100KOHM 1/2W | RK44 | 0700047M | RES.-CARBON FLM 1/16W 3.3K-JB |
| RH46 | 0700056M | RES.-CARBON FLM 1/16W 15K-JB | RK46 | AT01545S | METAL FILM RESISTOR(1.5OHM 1W ) |
| RH50 | 0700046M | RES.-CARBON FLM 1/16W 2.7K-JB | RK47 | AT00496S | RES.MTL OXIDE FLM 2W 150 OHM |
| RH51 | 0700055M | RES.-CARBON FLM 1/16W 12K-JB | RK48 | 0700047M | RES.-CARBON FLM 1/16W 3.3K-JB |
| RH52 | 0700067M | RES.-CARBON FLM 1/16W 100K-JB | RK50 | AT01549S | METAL FILM RESISTOR(2.2OHM 1W ) |
| RH53 | 0700045M | RES.-CARBON FLM 1/16W 2.2K-JB | RK51 | AT00501S | RES.MTL OXIDE FLM 2W 220 OHM |
| ⚠ RH54 | 0119633M | RES.-MTL FLM 1/8W 12K-FB | RK52 | 0700047M | RES.-CARBON FLM 1/16W 3.3K-JB |
| ⚠ RH55 | 0119649M | RES.-MTL FLM 1/8W 56K-FB | RK54 | AT01545S | METAL FILM RESISTOR(1.5OHM 1W ) |
| RH56 | 0188145M | RES.-CARBON FLM 12K-J 1/2W | RK55 | AT00496S | RES.MTL OXIDE FLM 2W 150 OHM |
| RH58 | 0188152M | RES.-CARBON FLM 39K-J 1/2W | RK56 | 0700047M | RES.-CARBON FLM 1/16W 3.3K-JB |
| RH59 | 0113784M | RES.CARBON FILM 24K-J 1/2W | RK58 | AT01554S | METAL FILM RESISTOR(3.3OHM 1W ) |
| RH60 | 0700045M | RES.-CARBON FLM 1/16W 2.2K-JB | RK59 | AT00501S | RES.MTL OXIDE FLM 2W 220 OHM |
| RH61 | 0100069M | RES.-CARBON FLM 1/8W 1.5K-JB | RK60 | 0700047M | RES.-CARBON FLM 1/16W 3.3K-JB |
| RH67 | 0188127M | RES.-CARBON FLM 560-JB 1/2W | RK62 | AT01547S | METAL FILM RESISTOR(1.8OHM 1W ) |
| ⚠ RH72 | 0700062M | RES.-CARBON FLM 1/16W 39K-JB | RK63 | AT00496S | RES.MTL OXIDE FLM 2W 150 OHM |
| ⚠ RH73 | 0119653M | RES.-MTL FLM 1/8W 82K-FB | RK64 | 0700054M | RES.-CARBON FLM 1/16W 10K-JB |
| RH77 | 0700045M | RES.-CARBON FLM 1/16W 2.2K-JB | RK65 | 0700054M | RES.-CARBON FLM 1/16W 10K-JB |
| ⚠ RH80 | 0119647M | RES.-MTL FLM 1/8W 47K-FB | RK82 | 0700059M | RES.-CARBON FLM 1/16W 27K-JB |
| RH81 | 0700067M | RES.-CARBON FLM 1/16W 100K-JB | RK83 | 0700049M | RES.-CARBON FLM 1/16W 4.7K-JB |
| RH82 | 0700054M | RES.-CARBON FLM 1/16W 10K-JB | RK84 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB |
| RK01 | 0700046M | RES.-CARBON FLM 1/16W 2.7K-JB | RK90 | 0700054M | RES.-CARBON FLM 1/16W 10K-JB |
| RK02 | 0700046M | RES.-CARBON FLM 1/16W 2.7K-JB | RK92 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB |
| RK03 | 0700046M | RES.-CARBON FLM 1/16W 2.7K-JB | RL10 | 0100129M | RES.-CARBON FLM 1/8W 470K-JB |
| RK04 | 0700046M | RES.-CARBON FLM 1/16W 2.7K-JB | RL11 | 0100129M | RES.-CARBON FLM 1/8W 470K-JB |
| RK05 | 0700046M | RES.-CARBON FLM 1/16W 2.7K-JB | RL12 | 0100129M | RES.-CARBON FLM 1/8W 470K-JB |
| RK06 | 0700046M | RES.-CARBON FLM 1/16W 2.7K-JB | RL13 | 0100129M | RES.-CARBON FLM 1/8W 470K-JB |
| RK07 | 0700046M | RES.-CARBON FLM 1/16W 2.7K-JB | RL14 | 0100129M | RES.-CARBON FLM 1/8W 470K-JB |
| RK08 | 0700046M | RES.-CARBON FLM 1/16W 2.7K-JB | RL15 | 0100129M | RES.-CARBON FLM 1/8W 470K-JB |
| RK09 | 0100057M | RES.-CARBON FLM 1/8W 470-JB | RL16 | 0100129M | RES.-CARBON FLM 1/8W 470K-JB |
| RK10 | 0700042M | RES.-CARBON FLM 1/16W 1.2K-JB | RL17 | 0100129M | RES.-CARBON FLM 1/8W 470K-JB |
| RK11 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB | RL20 | 0100133M | RES.-CARBON FLM 1/8W 680K-JB |
| RK12 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB | RL21 | 0100121M | RES.-CARBON FLM 1/8W 220K-JB |
| RK13 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB | RL22 | 0100133M | RES.-CARBON FLM 1/8W 680K-JB |
| RK17 | 0700046M | RES.-CARBON FLM 1/16W 2.7K-JB | RL23 | 0100129M | RES.-CARBON FLM 1/8W 470K-JB |

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| SYMBOL NO. | PART NO. | PART DESCRIPTION | SYMBOL NO. | PART NO. | PART DESCRIPTION |
|---|---|---|---|---|---|
| RL24 | 0100133M | RES.-CARBON FLM 1/8W 680K-JB | RN12 | 0700051M | RES.-CARBON FLM 1/16W 5.6K-JB |
| RL25 | 0100121M | RES.-CARBON FLM 1/8W 220K-JB | RN13 | 0700054M | RES.-CARBON FLM 1/16W 10K-JB |
| RL26 | 0100133M | RES.-CARBON FLM 1/8W 680K-JB | RN14 | 0700052M | RES.-CARBON FLM 1/16W 6.8K-JB |
| RL27 | 0100129M | RES.-CARBON FLM 1/8W 470K-JB | RN15 | 0700052M | RES.-CARBON FLM 1/16W 6.8K-JB |
| RL30 | 0700027M | RES.-CARBON FLM 1/16W 100-JB | RN16 | 0700058M | RES.-CARBON FLM 1/16W 22K-JB |
| RL31 | 0700027M | RES.-CARBON FLM 1/16W 100-JB | RN21 | 0700063M | RES.-CARBON FLM 1/16W 47K-JB |
| RL32 | 0700027M | RES.-CARBON FLM 1/16W 100-JB | RP01 | 0188165M | RES.-CARBON FLM 390K-J 1/2W |
| RL33 | 0700027M | RES.-CARBON FLM 1/16W 100-JB | RP02 | AT01129S | RES.MTL OXIDE FLM 1W 5.6K OHM |
| RL34 | 0700027M | RES.-CARBON FLM 1/16W 100-JB | RP03 | AT01129S | RES.MTL OXIDE FLM 1W 5.6K OHM |
| RL35 | 0700027M | RES.-CARBON FLM 1/16W 100-JB | RP04 | 0700038M | RES.-CARBON FLM 1/16W 680-JB |
| RL36 | 0700027M | RES.-CARBON FLM 1/16W 100-JB | RP05 | 0188104M | RES.-CARBON FLM 1/2W 10-JB |
| RL37 | 0700027M | RES.-CARBON FLM 1/16W 100-JB | RP08 | 0100073M | RES.-CARBON FLM 1/8W 2.2K-JB |
| RL38 | 0700049M | RES.-CARBON FLM 1/16W 4.7K-JB | RP09 | 0700047M | RES.-CARBON FLM 1/16W 3.3K-JB |
| RM01 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB | RP10 | AT01534S | METAL FILM 0.22OHM 1/2W |
| RM02 | 0700058M | RES.-CARBON FLM 1/16W 22K-JB | RP11 | AT01534S | METAL FILM 0.22OHM 1/2W |
| RM03 | 0700045M | RES.-CARBON FLM 1/16W 2.2K-JB | RP12 | AT01534S | METAL FILM 0.22OHM 1/2W |
| RM04 | 0100065M | RES.-CARBON FLM 1/8W 1K-JB | RP14 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB |
| RM05 | 0100065M | RES.-CARBON FLM 1/8W 1K-JB | RP15 | 0700032M | RES.-CARBON FLM 1/16W 220-JB |
| RM06 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB | RP16 | AT03464S | METAL OX. 22K OHM 2W |
| RM07 | 0700043M | RES.-CARBON FLM 1/16W 1.5K-JB | RP17 | 0119695M | RES.-MTL OXIDE FLM 1W 0.47-F |
| RM08 | 0700046M | RES.-CARBON FLM 1/16W 2.7K-JB | RP18 | 0700054M | RES.-CARBON FLM 1/16W 10K-JB |
| RM09 | 0700049M | RES.-CARBON FLM 1/16W 4.7K-JB | RP19 | 0700058M | RES.-CARBON FLM 1/16W 22K-JB |
| RM10 | 0100129M | RES.-CARBON FLM 1/8W 470K-JB | RP20 | 0700063M | RES.-CARBON FLM 1/16W 47K-JB |
| RM11 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB | RP21 | 0188156M | RES.-CARBON FLM 82K-J 1/2W |
| RM12 | 0100125M | RES.-CARBON FLM 1/8W 330K-JB | RP22 | 0700049M | RES.-CARBON FLM 1/16W 4.7K-JB |
| RM13 | 0114161M | RES.-CARBON FLM 1/4W 1K-JB | ⚠ RP23 | 0700039M | RES.-CARBON FLM 1/16W 820-JB |
| RM14 | 0100125M | RES.-CARBON FLM 1/8W 330K-JB | ⚠ RP24 | 0700043M | RES.-CARBON FLM 1/16W 1.5K-JB |
| RM15 | 0700054M | RES.-CARBON FLM 1/16W 10K-JB | RP25 | 0700047M | RES.-CARBON FLM 1/16W 3.3K-JB |
| RM20 | 0100041M | RES.-CARBON FLM 1/8W 100-JB | RP26 | 0700047M | RES.-CARBON FLM 1/16W 3.3K-JB |
| RM21 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB | RP27 | 0700043M | RES.-CARBON FLM 1/16W 1.5K-JB |
| RM22 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB | RP28 | 0188154M | RES.-CARBON FLM 1/2W 56K-JB |
| RM23 | 0700064M | RES.-CARBON FLM 1/16W 56K-JB | RP29 | 0188154M | RES.-CARBON FLM 1/2W 56K-JB |
| RM24 | 0700045M | RES.-CARBON FLM 1/16W 2.2K-JB | RP30 | 0700056M | RES.-CARBON FLM 1/16W 15K-JB |
| RM25 | 0100123M | RES.-CARBON FLM 1/8W 270K-JB | RP31 | 0700055M | RES.-CARBON FLM 1/16W 12K-JB |
| RM26 | 0700047M | RES.-CARBON FLM 1/16W 3.3K-JB | RP32 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB |
| RM27 | 0700064M | RES.-CARBON FLM 1/16W 56K-JB | RP33 | 0700054M | RES.-CARBON FLM 1/16W 10K-JB |
| RM28 | 0100123M | RES.-CARBON FLM 1/8W 270K-JB | RP34 | 0700052M | RES.-CARBON FLM 1/16W 6.8K-JB |
| RM29 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB | RP35 | 0700063M | RES.-CARBON FLM 1/16W 47K-JB |
| RM30 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB | RP36 | 0700054M | RES.-CARBON FLM 1/16W 10K-JB |
| RM31 | 0100041M | RES.-CARBON FLM 1/8W 100-JB | RP37 | 0100069M | RES.-CARBON FLM 1/8W 1.5K-JB |
| RM35 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB | RP38 | 0700054M | RES.-CARBON FLM 1/16W 10K-JB |
| RM38 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB | RP39 | 0700045M | RES.-CARBON FLM 1/16W 2.2K-JB |
| RM40 | 0700067M | RES.-CARBON FLM 1/16W 100K-JB | RP40 | 0700027M | RES.-CARBON FLM 1/16W 100-JB |
| RM41 | 0700032M | RES.-CARBON FLM 1/16W 220-JB | RP41 | AT00443S | RES.MTL OXIDE FLM 2W 1.5 OHM |
| RM42 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB | RP42 | 0700055M | RES.-CARBON FLM 1/16W 12K-JB |
| RN01 | 0700052M | RES.-CARBON FLM 1/16W 6.8K-JB | RS01 | 0700027M | RES.-CARBON FLM 1/16W 100-JB |
| RN02 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB | RS02 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE |
| RN03 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB | RS03 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE |
| RN04 | 0700067M | RES.-CARBON FLM 1/16W 100K-JB | RS04 | 0700027M | RES.-CARBON FLM 1/16W 100-JB |
| RN05 | 0700052M | RES.-CARBON FLM 1/16W 6.8K-JB | RS05 | 0700027M | RES.-CARBON FLM 1/16W 100-JB |
| RN06 | 0700054M | RES.-CARBON FLM 1/16W 10K-JB | RS06 | 0700027M | RES.-CARBON FLM 1/16W 100-JB |
| RN07 | 0700051M | RES.-CARBON FLM 1/16W 5.6K-JB | RS07 | 0700027M | RES.-CARBON FLM 1/16W 100-JB |
| RN08 | 0700044M | RES.-CARBON FLM 1/16W 1.8K-JB | RS08 | 0700027M | RES.-CARBON FLM 1/16W 100-JB |
| RN09 | 0700061M | RES.-CARBON FLM 1/16W 33K-JB | RS09 | 0700027M | RES.-CARBON FLM 1/16W 100-JB |
| RN10 | 0700057M | RES.-CARBON FLM 1/16W 18K-JB | RS10 | 0700027M | RES.-CARBON FLM 1/16W 100-JB |
| RN11 | 0700058M | RES.-CARBON FLM 1/16W 22K-JB | RS11 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE |

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| SYMBOL NO. | PART NO. | PART DESCRIPTION | SYMBOL NO. | PART NO. | PART DESCRIPTION |
|---|---|---|---|---|---|
| RS12 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE | RS73 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE |
| RS13 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE | RS74 | 0187092M | RES.-CARBON FLM 1/16W 13K-JB |
| RS14 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE | RS75 | 0187092M | RES.-CARBON FLM 1/16W 13K-JB |
| RS15 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE | RS77 | 0195933R | RES.2125 CHIP 1/16W 22KJ TAPE |
| RS16 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE | RS78 | 0700049M | RES.-CARBON FLM 1/16W 4.7K-JB |
| RS17 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE | RS80 | 0195919R | RES.CHIP RMC1/16 6.2K-J TAPE |
| RS18 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE | RS81 | 0700063M | RES.-CARBON FLM 1/16W 47K-JB |
| RS19 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE | RS83 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE |
| RS20 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE | RS84 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE |
| RS21 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB | RS85 | 0195935R | RES 2125 CHIP 1/16W 27K-J TAPE |
| RS22 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB | RS87 | 0195250R | RES 2125 CHIP 1/16W 000 TAPE |
| RS23 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE | RS88 | 0195935R | RES 2125 CHIP 1/16W 27K-J TAPE |
| RS24 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE | RS89 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE |
| RS25 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB | RS90 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE |
| RS26 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE | RS91 | 0195941R | RESISTOR 2125 CHIP 1/16W 47KJ TAPE |
| RS27 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE | RS92 | 0195921R | RESISTOR MINI-CHIP RMC1/16 7.5K-J TAPE |
| RS28 | 0700027M | RES.-CARBON FLM 1/16W 100-JB | RS93 | 0195941R | RESISTOR 2125 CHIP 1/16W 47KJ TAPE |
| RS29 | 0195916R | RESISTOR 2125 CHIP 1/16W 4.7KJ TAPE | RS94 | 0195917R | RES.CHIP RMC1/16 5.1K-J TAPE |
| RS30 | 0195913R | RES.CHIP RMC1/16 3.6K-J TAPE | RS95 | 0195941R | RESISTOR 2125 CHIP 1/16W 47KJ TAPE |
| RS32 | 0195916R | RESISTOR 2125 CHIP 1/16W 4.7KJ TAPE | RS96 | 0195917R | RES.CHIP RMC1/16 5.1K-J TAPE |
| RS34 | 0195916R | RESISTOR 2125 CHIP 1/16W 4.7KJ TAPE | RS97 | 0195941R | RESISTOR 2125 CHIP 1/16W 47KJ TAPE |
| RS35 | 0700063M | RES.-CARBON FLM 1/16W 47K-JB | RS98 | 0195917R | RES.CHIP RMC1/16 5.1K-J TAPE |
| RS36 | 0195916R | RESISTOR 2125 CHIP 1/16W 4.7KJ TAPE | RS99 | 0195940R | RESISTOR MINI-CHIP RMC1/16 43K-J TAPE |
| RS37 | 0195913R | RES.CHIP RMC1/16 3.6K-J TAPE | RSA1 | 0195917R | RES.CHIP RMC1/16 5.1K-J TAPE |
| RS38 | 0700063M | RES.-CARBON FLM 1/16W 47K-JB | RSC1 | 0700027M | RES.-CARBON FLM 1/16W 100-JB |
| RS39 | 0700027M | RES.-CARBON FLM 1/16W 100-JB | RSC3 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE |
| RS40 | 0700027M | RES.-CARBON FLM 1/16W 100-JB | RSC4 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE |
| RS41 | 0195935R | RES 2125 CHIP 1/16W 27K-J TAPE | RSC5 | 0700027M | RES.-CARBON FLM 1/16W 100-JB |
| RS43 | 0195250R | RES 2125 CHIP 1/16W 000 TAPE | RSC6 | 0700027M | RES.-CARBON FLM 1/16W 100-JB |
| RS44 | 0195935R | RES 2125 CHIP 1/16W 27K-J TAPE | RSC7 | 0195935R | RES 2125 CHIP 1/16W 27K-J TAPE |
| RS46 | 0195250R | RES 2125 CHIP 1/16W 000 TAPE | RSC8 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE |
| RS47 | 0195941R | RESISTOR 2125 CHIP 1/16W 47KJ TAPE | RSC9 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE |
| RS48 | 0195921R | RESISTOR MINI-CHIP RMC1/16 7.5K-J TAPE | RSE1 | 0195935R | RES 2125 CHIP 1/16W 27K-J TAPE |
| RS49 | 0195941R | RESISTOR 2125 CHIP 1/16W 47KJ TAPE | RSE2 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE |
| RS50 | 0195917R | RES.CHIP RMC1/16 5.1K-J TAPE | RSE3 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE |
| RS51 | 0195941R | RESISTOR 2125 CHIP 1/16W 47KJ TAPE | RSE4 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB |
| RS52 | 0195917R | RES.CHIP RMC1/16 5.1K-J TAPE | RSE8 | 0195908R | RES.2125 CHIP 1/10W 2.2KJ TAPE |
| RS53 | 0195941R | RESISTOR 2125 CHIP 1/16W 47KJ TAPE | RSE9 | 0195908R | RES.2125 CHIP 1/10W 2.2KJ TAPE |
| RS54 | 0195917R | RES.CHIP RMC1/16 5.1K-J TAPE | RSF1 | 0195908R | RES.2125 CHIP 1/10W 2.2KJ TAPE |
| RS55 | 0195940R | RESISTOR MINI-CHIP RMC1/16 43K-J TAPE | RSF2 | 0195908R | RES.2125 CHIP 1/10W 2.2KJ TAPE |
| RS56 | 0195917R | RES.CHIP RMC1/16 5.1K-J TAPE | RSF3 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE |
| RS57 | 0195941R | RESISTOR 2125 CHIP 1/16W 47KJ TAPE | RSF4 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE |
| RS58 | 0195921R | RESISTOR MINI-CHIP RMC1/16 7.5K-J TAPE | RSF5 | 0700063M | RES.-CARBON FLM 1/16W 47K-JB |
| RS59 | 0195941R | RESISTOR 2125 CHIP 1/16W 47KJ TAPE | RSF6 | 0195950R | RES 2125 CHIP 1/16W 100KJ TAPE |
| RS60 | 0195917R | RES.CHIP RMC1/16 5.1K-J TAPE | RSF7 | 0195941R | RESISTOR 2125 CHIP 1/16W 47KJ TAPE |
| RS61 | 0195941R | RESISTOR 2125 CHIP 1/16W 47KJ TAPE | RSF8 | 0195891R | RES 2125 CHIP 1/16W 470J TAPE |
| RS62 | 0195917R | RES.CHIP RMC1/16 5.1K-J TAPE | RSF9 | 0195933R | RES.2125 CHIP 1/16W 22KJ TAPE |
| RS63 | 0195941R | RESISTOR 2125 CHIP 1/16W 47KJ TAPE | RSH1 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE |
| RS64 | 0195917R | RES.CHIP RMC1/16 5.1K-J TAPE | RSH2 | 0195945R | RES 2125 CHIP 1/16W 68KJ TAPE |
| RS65 | 0195940R | RESISTOR MINI-CHIP RMC1/16 43K-J TAPE | RSH3 | 0195945R | RES 2125 CHIP 1/16W 68KJ TAPE |
| RS66 | 0195917R | RES.CHIP RMC1/16 5.1K-J TAPE | RSH4 | AT01549S | METAL FILM RESISTOR(2.2OHM 1W ) |
| RS67 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE | RSH5 | AT01549S | METAL FILM RESISTOR(2.2OHM 1W ) |
| RS68 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE | RSH6 | 0188131M | RES.-CARBON FLM 1/4W 1K-JB |
| RS70 | 0195935R | RES 2125 CHIP 1/16W 27K-J TAPE | RSH7 | 0188131M | RES.-CARBON FLM 1/4W 1K-JB |
| RS71 | 0187098M | RES.-CARBON FLM 1/16W 24K-JB | RSJ1 | 0700045M | RES.-CARBON FLM 1/16W 2.2K-JB |
| RS72 | 0195934R | RES 2125 CHIP 1/16W 24K-J TAPE | RSJ2 | 0700045M | RES.-CARBON FLM 1/16W 2.2K-JB |

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| SYMBOL NO. | PART NO. | PART DESCRIPTION | SYMBOL NO. | PART NO. | PART DESCRIPTION |
|---|---|---|---|---|---|
| RSJ3 | 0195908R | RES.2125 CHIP 1/10W 2.2KJ TAPE | RSS1 | 0195925R | RES 2125 CHIP 1/16W 10KJ TAPE |
| RSJ4 | 0195908R | RES.2125 CHIP 1/10W 2.2KJ TAPE | RSS2 | 0195950R | RES 2125 CHIP 1/16W 100KJ TAPE |
| RSJ5 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE | RSS3 | 0700051M | RES.-CARBON FLM 1/16W 5.6K-JB |
| RSJ6 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE | RSS4 | 0195914R | RES 2125 CHIP 1/16W 3.9KJ TAPE |
| RSJ7 | 0700063M | RES.-CARBON FLM 1/16W 47K-JB | RSS5 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB |
| RSJ8 | 0195950R | RES 2125 CHIP 1/16W 100KJ TAPE | RSS6 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE |
| RSJ9 | 0195941R | RESISTOR 2125 CHIP 1/16W 47KJ TAPE | RSS7 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB |
| RSK1 | 0700036M | RES.-CARBON FLM 1/16W 470-JB | RSS8 | 0700051M | RES.-CARBON FLM 1/16W 5.6K-JB |
| RSK2 | 0195933R | RES.2125 CHIP 1/16W 22KJ TAPE | RSS9 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB |
| RSK3 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE | RST1 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE |
| RSK4 | 0195945R | RES 2125 CHIP 1/16W 68KJ TAPE | RST2 | 0195918R | RES 2125 CHIP 1/16W 5.6KJ TAPE |
| RSK5 | 0195945R | RES 2125 CHIP 1/16W 68KJ TAPE | RST3 | 0195941R | RESISTOR 2125 CHIP 1/16W 47KJ TAPE |
| RSK6 | AT01549S | METAL FILM RESISTOR(2.2OHM 1W ) | RST4 | 0195908R | RES.2125 CHIP 1/10W 2.2KJ TAPE |
| RSK7 | AT01549S | METAL FILM RESISTOR(2.2OHM 1W ) | RST6 | 0195908R | RES.2125 CHIP 1/10W 2.2KJ TAPE |
| RSK8 | 0188131M | RES.-CARBON FLM 1/4W 1K-JB | RST9 | 0195941R | RESISTOR 2125 CHIP 1/16W 47KJ TAPE |
| RSK9 | 0188131M | RES.-CARBON FLM 1/4W 1K-JB | RSW1 | 0700063M | RES.-CARBON FLM 1/16W 47K-JB |
| RSL1 | 0195941R | RESISTOR 2125 CHIP 1/16W 47KJ TAPE | RSW2 | 0195941R | RESISTOR 2125 CHIP 1/16W 47KJ TAPE |
| RSL2 | 0195941R | RESISTOR 2125 CHIP 1/16W 47KJ TAPE | RSW3 | 0195250R | RES 2125 CHIP 1/16W 000 TAPE |
| RSL3 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE | RSW5 | 0195975R | RMC73S-2A105JR |
| RSL4 | 0195250R | RES 2125 CHIP 1/16W 000 TAPE | RSW8 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE |
| RSL5 | 0195250R | RES 2125 CHIP 1/16W 000 TAPE | RSW9 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE |
| RSL6 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE | RSX1 | 0700054M | RES.-CARBON FLM 1/16W 10K-JB |
| RSL7 | 0195883R | RES 2125 CHIP 1/16W 220J TAPE | RSX2 | 0700054M | RES.-CARBON FLM 1/16W 10K-JB |
| RSL8 | 0195950R | RES 2125 CHIP 1/16W 100KJ TAPE | RSX3 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB |
| RSL9 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB | RSX4 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB |
| RSM1 | 0195941R | RESISTOR 2125 CHIP 1/16W 47KJ TAPE | RX01 | 0195908R | RES.2125 CHIP 1/10W 2.2KJ TAPE |
| RSM2 | 0195941R | RESISTOR 2125 CHIP 1/16W 47KJ TAPE | RX02 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE |
| RSM3 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE | RX03 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE |
| RSM4 | 0195250R | RES 2125 CHIP 1/16W 000 TAPE | RX04 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE |
| RSM5 | 0195250R | RES 2125 CHIP 1/16W 000 TAPE | RX05 | 0195885R | RESISTOR 2125 CHIP 1/16W 270J TAPE |
| RSM6 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE | RX06 | 0195885R | RESISTOR 2125 CHIP 1/16W 270J TAPE |
| RSM7 | 0700032M | RES.-CARBON FLM 1/16W 220-JB | RX07 | 0195885R | RESISTOR 2125 CHIP 1/16W 270J TAPE |
| RSM8 | 0195950R | RES 2125 CHIP 1/16W 100KJ TAPE | RX08 | 0195910R | RES.2125 CHIP 1/16W 2.7KJ TAPE |
| RSM9 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE | RX09 | 0195910R | RES.2125 CHIP 1/16W 2.7KJ TAPE |
| RSN1 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE | RX10 | 0195910R | RES.2125 CHIP 1/16W 2.7KJ TAPE |
| RSN2 | 0195950R | RES 2125 CHIP 1/16W 100KJ TAPE | RX14 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE |
| RSN3 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE | RX15 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE |
| RSN4 | 0195950R | RES 2125 CHIP 1/16W 100KJ TAPE | RX16 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE |
| RSN5 | 0700032M | RES.-CARBON FLM 1/16W 220-JB | RX20 | 0195910R | RES.2125 CHIP 1/16W 2.7KJ TAPE |
| RSN6 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE | RX21 | 0195910R | RES.2125 CHIP 1/16W 2.7KJ TAPE |
| RSN7 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE | RX22 | 0195910R | RES.2125 CHIP 1/16W 2.7KJ TAPE |
| RSP4 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE | RX26 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE |
| RSP5 | 0195950R | RES 2125 CHIP 1/16W 100KJ TAPE | RX27 | 0195968R | RES 2125 CHIP 1/16W 560KJ TAPE |
| RSP6 | 0195916R | RESISTOR 2125 CHIP 1/16W 4.7KJ TAPE | RX29 | 0195250R | RES 2125 CHIP 1/16W 000 TAPE |
| RSP7 | 0195941R | RESISTOR 2125 CHIP 1/16W 47KJ TAPE | RX32 | 0195250R | RES 2125 CHIP 1/16W 000 TAPE |
| RSP8 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE | RX33 | 0195935R | RES 2125 CHIP 1/16W 27K-J TAPE |
| RSP9 | 0195871R | RMC73S-2A750JR | RX34 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE |
| RSR1 | 0700027M | RES.-CARBON FLM 1/16W 100-JB | RX35 | 0195902R | RES 2125 CHIP 1/16W 1.2KJ TAPE |
| RSR2 | 0179559M | REG.-METAL GRAZED FILM 1.2M-JB | RX36 | 0195914R | RES 2125 CHIP 1/16W 3.9KJ TAPE |
| RSR3 | 0195916R | RESISTOR 2125 CHIP 1/16W 4.7KJ TAPE | RX37 | 0195925R | RES 2125 CHIP 1/16W 10KJ TAPE |
| RSR4 | 0195929R | RES 2125 CHIP 1/16W 15KJ TAPE | RX38 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE |
| RSR5 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE | RX39 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE |
| RSR6 | 0195908R | RES.2125 CHIP 1/10W 2.2KJ TAPE | RX40 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE |
| RSR7 | 0195925R | RES 2125 CHIP 1/16W 10KJ TAPE | RX41 | 0195904R | RESISTOR 2125 CHIP 1/16W 1.5KJ TAPE |
| RSR8 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE | RX42 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE |
| RSR9 | 0195908R | RES.2125 CHIP 1/10W 2.2KJ TAPE | RX43 | 0195904R | RESISTOR 2125 CHIP 1/16W 1.5KJ TAPE |

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| SYMBOL NO. | PART NO. | PART DESCRIPTION | SYMBOL NO. | PART NO. | PART DESCRIPTION |
|---|---|---|---|---|---|
| RX44 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE | RY62 | 0195927R | RES 2125 CHIP 1/16W 12KJ TAPE |
| RX45 | 0195925R | RES 2125 CHIP 1/16W 10KJ TAPE | RY63 | 0195937R | RES.2125 CHIP 1/16W 33KJ TAPE |
| RX46 | 0195925R | RES 2125 CHIP 1/16W 10KJ TAPE | RY64 | 0195885R | RESISTOR 2125 CHIP 1/16W 270J TAPE |
| RX47 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE | RY68 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE |
| RX48 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE | RY70 | 0195250R | RES 2125 CHIP 1/16W 000 TAPE |
| RX49 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE | RY72 | 0195910R | RES.2125 CHIP 1/16W 2.7KJ TAPE |
| RX50 | 0195908R | RES.2125 CHIP 1/10W 2.2KJ TAPE | RY83 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE |
| RX52 | 0195916R | RESISTOR 2125 CHIP 1/16W 4.7KJ TAPE | RY86 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE |
| RX56 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE | RY87 | 0195862R | RES 2125 CHIP 1/16W 33J TAPE |
| RX57 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE | RZ01 | 0196890R | RES 2125CHIP 1/10W1.2K-F TAPE |
| RX58 | 0195250R | RES 2125 CHIP 1/16W 000 TAPE | RZ02 | 0196873R | RES 2125CHIP 1/10W 240-F TAPE |
| RX62 | 0195908R | RES.2125 CHIP 1/10W 2.2KJ TAPE | RZ04 | 0196890R | RES 2125CHIP 1/10W1.2K-F TAPE |
| RX65 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE | RZ05 | 0196873R | RES 2125CHIP 1/10W 240-F TAPE |
| RX66 | 0195908R | RES.2125 CHIP 1/10W 2.2KJ TAPE | RZ08 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB |
| RX67 | 0195937R | RES.2125 CHIP 1/16W 33KJ TAPE | RZ09 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB |
| RX68 | 0195937R | RES.2125 CHIP 1/16W 33KJ TAPE | RZ10 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB |
| RX69 | 0195941R | RESISTOR 2125 CHIP 1/16W 47KJ TAPE | RZ11 | 0195250R | RES 2125 CHIP 1/16W 000 TAPE |
| RX70 | 0195941R | RESISTOR 2125 CHIP 1/16W 47KJ TAPE | RZ20 | 0700051M | RES.-CARBON FLM 1/16W 5.6K-JB |
| RX71 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE | | | |
| RX72 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE | | | **SWITCHES** |
| RX73 | 0195910R | RES.2125 CHIP 1/16W 2.7KJ TAPE | ⚠ S901 | FJ00142 | RELAY ALKS329 |
| RX74 | 0195910R | RES.2125 CHIP 1/16W 2.7KJ TAPE | S902 | FJ00142 | RELAY ALKS329 |
| RX75 | 0195927R | RES 2125 CHIP 1/16W 12KJ TAPE | S903 | FJ00142 | RELAY ALKS329 |
| RX76 | 0195945R | RES 2125 CHIP 1/16W 68KJ TAPE | S904 | FJ00142 | RELAY ALKS329 |
| RX77 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE | SK01 | FE10332R | SWITCH (SWP01N01TKSH0636BT) |
| RX79 | 0196888R | RES 2125CHIP 1/10W1.0K-F TAPE | SM01 | FE00001R | PUSH SWITCH |
| RX80 | 0195943R | RES.2125 CHIP 1/16W 56KJ TAPE | SM02 | FE00001R | PUSH SWITCH |
| RX81 | 0195925R | RES 2125 CHIP 1/16W 10KJ TAPE | SM03 | FE00001R | PUSH SWITCH |
| RX82 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE | SM04 | FE00001R | PUSH SWITCH |
| RX83 | 0196896R | RES 2125CHIP 1/16W2.2K-F TAPE | SM05 | FE00001R | PUSH SWITCH |
| RX84 | 0196898R | RES 2125CHIP 1/16W2.7K-F TAPE | SM06 | FE00001R | PUSH SWITCH |
| RX85 | 0196897R | RES 2125CHIP 1/16W2.4K-F TAPE | SM07 | FE00001R | PUSH SWITCH |
| RX86 | 0196896R | RES 2125CHIP 1/16W2.2K-F TAPE | SM09 | FE10332R | SWITCH (SWP01N01TKSH0636BT) |
| RX88 | 0195895R | RES.2125 CHIP 1/10W 680J TAPE | | | |
| RX89 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE | | | **TRANSFORMERS** |
| RX90 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE | ⚠ T751 | BZ03061 | HORIZONTAL DRIVE TRANS.-DJ81 |
| RX91 | 0195895R | RES.2125 CHIP 1/10W 680J TAPE | ⚠ T752 | BT01231 | PT-EE28F05US-HOTDP8X DEF. OUTPUT TRANS. |
| RX92 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE | ⚠ T901 | BT01591 | COIL SW.TRANS PT-EE40F13US-DP01 MODE SW. TRANS. |
| RY13 | 0195900R | RES 2125 CHIP 1/16W 1KJ TAPE | ⚠ TH01 | BW00634 | HFL1735YP(2H/0.48 H) FBT HIGH VOLTAGE TRANS. |
| RY16 | 0195920R | RES 2125 CHIP 1/16W 6.8KJ TAPE | ⚠ TP91 | BT01602 | COIL SW.TRANS PT-EE42F15US-DP01-2 |
| RY24 | 0195250R | RES 2125 CHIP 1/16W 000 TAPE | | | |
| RY26 | 0195927R | RES 2125 CHIP 1/16W 12KJ TAPE | | | **SPEAKERS** |
| RY27 | 0195937R | RES.2125 CHIP 1/16W 33KJ TAPE | ⚠ U401 | GK00311 | SP-05M C057PT502-10 |
| RY28 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE | ⚠ U401 | GK00491 | SP-05CMM EAST5PH03A6 |
| RY29 | 0195885R | RESISTOR 2125 CHIP 1/16W 270J TAPE | ⚠ U402 | GK00321 | SP-12M C120RB501-10 |
| RY33 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE | ⚠ U402 | GK00481 | SP-12CMM EAST12PL17A |
| RY34 | 0195920R | RES 2125 CHIP 1/16W 6.8KJ TAPE | ⚠ U403 | GK00311 | SP-05M C057PT502-10 |
| RY41 | 0195250R | RES 2125 CHIP 1/16W 000 TAPE | ⚠ U403 | GK00491 | SP-05CMM EAST5PH03A6 |
| RY43 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE | ⚠ U404 | GK00321 | SP-12M C120RB501-10 |
| RY44 | 0195927R | RES 2125 CHIP 1/16W 12KJ TAPE | ⚠ U404 | GK00481 | SP-12CMM EAST12PL17A |
| RY45 | 0195937R | RES.2125 CHIP 1/16W 33KJ TAPE | ⚠ U405 | GK00331 | SP-10M C100RB5803-10 |
| RY46 | 0195885R | RESISTOR 2125 CHIP 1/16W 270J TAPE | ⚠ U405 | GK00501 | SP-10CMM EAST10P16A6 |
| RY50 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE | ⚠ U406 | GK00331 | SP-10M C100RB5803-10 |
| RY51 | 0195920R | RES 2125 CHIP 1/16W 6.8KJ TAPE | ⚠ U406 | GK00501 | SP-10CMM EAST10P16A6 |
| RY59 | 0195250R | RES 2125 CHIP 1/16W 000 TAPE | | | |
| RY61 | 0195875R | RES 2125 CHIP 1/16W 100J TAPE | | | |

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| SYMBOL NO. | PART NO. | PART DESCRIPTION |
|---|---|---|
| | | **CRYSTAL & FILTER** |
| X001 | 2163971 | CERAMIC FILTER 4MHZ |
| X201 | 2791501 | CRYSTAL HC-49/U |
| X202 | 2168771 | X'TAL CSB503F30 |
| X401 | 2791501 | CRYSTAL HC-49/U |
| X402 | 2168771 | X'TAL CSB503F30 |
| X701 | 2168771 | X'TAL CSB503F30 |
| | | |
| | | **MISCELLANEOUS** |
| # | 61010064 | FILLER CHANNEL BRUSH |
| # | KR01167 | 53SDX SCREEN ASSY |
| #005 | NA11701 | LENS/CRT METAL AP7 SECC20/20E |
| #011 | KR01161 | SCREEN ASS'Y AP94/93 61 |
| #012 | KR01162 | SCREEN ASS'Y AP94/93 53 |
| #021 | UE07891 | SBA-LFM 53#LC B.ASY (R) |
| #022 | UE07892 | SBA-LFM 53#LC B.ASY (G) |
| #023 | UE07893 | SBA-LFM 53#LC B.ASY (B) |
| #024 | UE07894 | SBB-LFM 61#LC B.ASY (R) |
| #026 | UE07895 | SBB-LFM 61#LC B.ASY (G) |
| #060 | HXW98041 | CABINET SERIAL NUMBER |
| #10 | QD04113 | 60" BACK COVER ZP9* |
| #110 | 33010262 | BARRIER BOARD |
| #110 | H311513 | CONTROL PANEL BOX (W/B) |
| #111 | 33200071 | BACK CENTER BAR |
| #111 | H312121 | 99 IMPROVED EXTRUDED RETAINER |
| #112 | 55020073 | FRONT DOOR ASSY |
| #113 | 33010359 | BARRIER BOARD 60" |
| #114 | 33200073 | BACK CENTER BAR 60" |
| #115 | H420921 | L ANGLE METAL (900 MM) |
| #115 | H420922 | L ANGLE METAL (1200 MM) |
| #120F | PH08418 | CONTROL PANEL ASSY |
| #130 | 61010049 | T NUT [M6 (1.0)] |
| #130 | H311531 | CONTROL DOOR |
| #135 | 3875771 | LATCH 4T02 NYLON |
| #140 | H311541 | SELECT BUTTONS |
| #15 | H312171 | REAR COVER AP9X 53" |
| #150 | H311522 | RC POWER LENS |
| #160G | PH05747 | INDOOR PLATE |
| #161 | H311141 | CABINET WIRE CLAMP |
| #161 | PH05742 | DOOR PLATE |
| #165 | 4336491 | CASTER METAL SECC (20/20E) |
| #20 | NA11681 | MIRROR METAL AP7 A SECC20/20E |
| #20E | PH06982 | PAINT ASS'Y 53" SCREEN FRAME TOP |
| #215 | HXW98011 | FLOOR CAUTION LABEL |
| #215 | NA45941 | SCREEN FRAME SUPPORT BRACKET SECC20/20E |
| #231 | NJ02992 | CPT SOCKET HOLDER 29.1 PA (UL94V-0) |
| #234 | MK00731 | CPT SOCKET HLD BAND SUS304 |
| #240 | 3876031 | WIRE CLAMP W 13-20 PA |
| #250 | 3744172 | CLAMP 20 |
| #250 | NJ01301 | SENSOR HOLDER AP5X |
| #250 | NJ01361 | SENSOR HOLDER AP5X B |
| #250 | UE07896 | SBB-LFM 61#LC B.ASY (B) |
| #25E | PH06992 | PAINT ASS'Y 53 SCREEN FRAME BOTTOM |
| #281 | 4159423 | SCR NO 3X12 FL/FLT |
| #298 | NA44031 | STANDARD MODULAR |
| #299 | PH07002 | PAINT ASS'Y 53" BOTTOM RAIL |
| #30 | NA11691 | MIRROR METAL AP7 B SECC20/20E |

| SYMBOL NO. | PART NO. | PART DESCRIPTION |
|---|---|---|
| #300 | H320001 | PCB SUPPORT SPACER |
| #300 | PH07042 | PAINT ASS'Y 61 BOTTOM RAIL |
| #30F | PH07022 | PAINT ASS'Y 61 SCREEN FRAME TOP |
| #315 | NA45931 | SCREEN FIX METAL LOW SPCC |
| #320 | H311851 | ULTRA DIGITAL BADGE |
| #34F | PH07032 | PAINT ASS'Y 61 SCREEN FRAME BOTTOM |
| #35 | NA11691 | MIRROR METAL AP7 B SECC20/20E |
| #35 | NA43761 | 53" SCREEN FIX METAL |
| #354 | 35250045 | E302AD065 |
| #360 | 61010048 | SOLAR CATCH CUP |
| #365 | NJ00442 | PORT TUBE |
| #380 | H420691 | FOCUS METAL AP5X |
| #385 | 3812047 | PWB FRAME 330 PVC |
| #390 | NA40731 | POWER PWB SUPPORT BRACKET DP86 SECC20/20E |
| #394 | 81180138 | NO. 8X13/8 H.H.S. |
| #39E | QD07653 | SCREEN FRAME (V) 53" PVC (UL94HB) |
| #400 | H420731 | SCREW MODULAR 5.2X16 |
| #410 | 3812047 | PWB FRAME 330 PVC |
| #415 | PH06772 | SPEAKER GRILLE 53SDX89B |
| #415A | PH07412 | SPEAKER GRILLE ASSY 53SDX01B |
| #417 | H512264 | LOWER REAR BOARD |
| #419 | PH06892 | SPEAKER GRILLE 61SDX |
| #419A | PH09041 | 61" SPEAKER FRAME ASSY |
| #420 | H420951 | FRAME SUPPORT METAL AP9X |
| #420 | NA40731 | POWER PWB SUPPORT BRACKET DP86 SECC20/20E |
| #421 | ML00801 | DUAL LOCK SJ-3463 |
| #422 | ML00801 | DUAL LOCK SJ-3463 |
| #428 | 3727972 | POWER CORD HANGER |
| #436 | H512264 | LOWER REAR BOARD |
| #47F | QD07654 | SCREEN FRAME (V) 61" PVC(UL94HB) |
| #50 | NA43771 | 61" SCREEN FIX METAL |
| #75 | NA44491 | SCREEN FIX METAL |
| #80 | KS00163 | MIRROR GLASS (60SX72B/73K) GLASS |
| #83 | KS02021 | '99 53" MODELS MIRROR |
| #91 | 8441494 | HIMERON SHEET |
| #96 | 3857509 | LENS SPACER T1.0 PVC |
| E001 | 2169513 | COIL LX-ZCAT2032 |
| E002 | 2169513 | COIL LX-ZCAT2032 |
| E003 | 2169513 | COIL LX-ZCAT2032 |
| E004 | 2169513 | COIL LX-ZCAT2032 |
| E005 | 2169513 | COIL LX-ZCAT2032 |
| E006 | 2169512 | CLAMP NOISE FILTER ZCAT3035 |
| ⚠ E10B | GX00371 | MAG DBV4253M VM COIL |
| ⚠ E10G | GX00371 | MAG DBV4253M VM COIL |
| ⚠ E10R | GX00371 | MAG DBV4253M VM COIL |
| ⚠ E12B | BY01551 | DY-V80-7SS(0.61)L T - YOKE ASY |
| ⚠ E12G | BY01551 | DY-V80-7SS(0.61)L T - YOKE ASY |
| ⚠ E12R | BY01551 | DY-V80-7SS(0.61)L T - YOKE ASY |
| E2B | EZ01321 | COD-ANODE COVER ASY 2K |
| E2G | EZ01321 | COD-ANODE COVER ASY 2K |
| E2R | EZ01321 | COD-ANODE COVER ASY 2K |
| E3B | 2958351 | CONN. W/WIRE MINI 2J |
| E3G | 2958351 | CONN. W/WIRE MINI 2J |
| E3R | 2958351 | CONN. W/WIRE MINI 2J |
| ⚠ E801 | EY00941 | CRT-SOCKET HPS1600-016409 |
| ⚠ E851 | EY00941 | CRT-SOCKET HPS1600-016409 |
| ⚠ E8A1 | EY00941 | CRT-SOCKET HPS1600-016409 |

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| SYMBOL NO. | PART NO. | PART DESCRIPTION | SYMBOL NO. | PART NO. | PART DESCRIPTION |
|---|---|---|---|---|---|
| ⚠ E901 | EV00901 | COD-AP9X-B-160 | G802 | CJ00071R | SPARK GAP AG15PC-152FS-K2M |
| EAN | 2974056S | 3J CONNE SEH UL1007 L=160 | G851 | CJ00071R | SPARK GAP AG15PC-152FS-K2M |
| EAS0 | FT00011 | MF SENSOR (AM3011) | G852 | CJ00071R | SPARK GAP AG15PC-152FS-K2M |
| EAS1 | FT00011 | MF SENSOR (AM3011) | G8A1 | CJ00071R | SPARK GAP AG15PC-152FS-K2M |
| EAS2 | FT00011 | MF SENSOR (AM3011) | G8A2 | CJ00071R | SPARK GAP AG15PC-152FS-K2M |
| EAS3 | FT00011 | MF SENSOR (AM3011) | ⚠ GF01 | CJ00072R | SPARK GAP 252FB-K2M |
| EAS4 | FT00011 | MF SENSOR (AM3011) | J401 | ES00201 | JACK ST4/US15 |
| EAS5 | FT00011 | MF SENSOR (AM3011) | JS01 | ER00121 | 2L4P LEVER TERMINAL |
| EAS6 | FT00011 | MF SENSOR (AM3011) | JS02 | ES00212 | JACK 03P VERTICAL |
| EAS7 | FT00011 | MF SENSOR (AM3011) | JS03 | DT00122 | CAMERA TUBE GP1F37R |
| ECL | EF05961 | 3P CONNECTOR (L=1500 N.C#3) | JS04 | EU00033 | TERMINAL(1 PIN PINJACK ) |
| ECR | EF05962 | 3P CONNECTOR (L=1000 N.C#3) | JY02 | ES00022 | 3P(SW) PIN JACK WITH S |
| ECV | 2973768S | 5J CONNECTOR L=470 | ⚠ KD33 | 2974432 | JUMPER WIRE (10.5L=52mm) |
| ED09 | EY00791 | PJX-LEAD-PLUGPIN | N001 | 3763751 | SK BINDER |
| ED11 | EY00791 | PJX-LEAD-PLUGPIN | N001A | MD06211 | SIGNAL SHIELD CASE DP06 TC-30 |
| ED12 | EY00791 | PJX-LEAD-PLUGPIN | N001B | MD06221 | SHIELD COVER DP06A SPTE |
| ED13 | EY00791 | PJX-LEAD-PLUGPIN | N001C | MD06221 | SHIELD COVER DP06A SPTE |
| ED90 | EY00791 | PJX-LEAD-PLUGPIN | N003 | 3700342 | WIRE CLAMP V0 |
| ED91 | EY00791 | PJX-LEAD-PLUGPIN | N004 | 3876031 | WIRE CLAMP W 13-20 PA |
| ED98 | EY00791 | PJX-LEAD-PLUGPIN | N005 | 3728273 | PURSE LOCK (8) |
| EDC1 | EF08281 | CO-05C-C2R5-102 LOCK | N006 | 3785502 | V LOCK 11.5 |
| EDF | EF05941 | 4P CONNECTOR (L=1000 N.C#2,3) | N007 | MA01271 | HEAT SINK TC30 H=25 TC-30 |
| EDS1 | 2908947 | 12J CONNE. L=1000 | N009 | 3446472 | HEATSINK |
| EFC | 2974086S | CONNE 4P L=160 | N010 | MA01271 | HEAT SINK TC30 H=25 TC-30 |
| EFF | EF08451 | CO-01A-A0R0-241-ORA | N010 | W200026 | 4 |
| EFS | 2973897S | CONNE. 9P L=1000 | N011 | MA01271 | HEAT SINK TC30 H=25 TC-30 |
| EFT | EF20481 | CO-11C-C2R5S122 | N012 | MA01271 | HEAT SINK TC30 H=25 TC-30 |
| EGB1 | EF08261 | CO-08B-B2R5-301 | N1 | 3787482 | PCB HOLDER (16L) |
| EGB2 | 2998593 | CO-04B-B2R5-301 | N101 | NA49231 | POWER PWB SUP.BRACKET DP0X SECC20/20E |
| EL | EF05931 | 5P CONNECTOR (L=1500 N.C#5) | N101B | ND00123 | SBA BRACKET (R/B) 50" |
| EQD1 | EF03844 | CO-04C-C3R9-102#3,2N | N101B | ND00124 | SBB BRACKET (R/B) 60" |
| EQD2 | EF08301 | CO-07C-C2R5-102 LOCK | N101G | ND00112 | SBA BRACKET G |
| EQS1 | EF08333 | CO-10C-C2R5-122 LOCK | N101R | ND00123 | SBA BRACKET (R/B) 50" |
| EQS2 | EF20471 | CO -11C-C2R5-122 LOCK | N101R | ND00124 | SBB BRACKET (R/B) 60" |
| EQS3 | EF06332 | CO-03C-C5R0-122 LOCK | N134B | 4491972 | PRT METAL (AP74) |
| EQU1 | EF08291 | CO-06C-C2R5-122 LOCK | N134G | 4491972 | PRT METAL (AP74) |
| EQU2 | EF08312 | 8P CPNNE.L=1200 LOCK | N134R | 4491972 | PRT METAL (AP74) |
| ER | EF05951 | 4P CONNECTOR (L=1500) | N426B | 3875441 | LEAD CLAMPER |
| ERG1 | EF08271 | CO-06B-B2R5-301 | N426G | 3875441 | LEAD CLAMPER |
| ERG2 | 2998593 | CO-04B-B2R5-301 | N426R | 3875441 | LEAD CLAMPER |
| ES01 | 2169513 | COIL LX-ZCAT2032 | N500A | KR01161 | SCREEN ASS'Y AP94/93 61 |
| ES02 | 2169513 | COIL LX-ZCAT2032 | N505BW | W120570 | 97ULTRA SHIELD SPEC. |
| ES03 | 2169513 | COIL LX-ZCAT2032 | N510A | KR01234 | FRONT SHEET AP93/AP94-61 DP |
| ES04 | 2169513 | COIL LX-ZCAT2032 | N520A | KR00998 | FRESNEL SHEET AP93/AP94-61 DP |
| ES1 | EF02233 | CO-09C-N2R0-322 (PH) | N530A | KR01573 | ULTRASHIELD 61" |
| ES2 | EF02242 | CO-10C-N2R0-262 (PH) | N530G | KR01291 | ULTRA SHIELD 99-53 KR PMMA |
| ES3 | EF02253 | CO-06C-N2R0-152 (PH) | N601 | MA01113 | HEAT SINK (V) DP0X A1100P-H14 |
| ⚠ ESF | 2958151 | CONNECTOR RE01X-X3239A901 | N701 | MA01093 | POWER HEAT SINK METAL(B)DP05 A1100P-H14 |
| EVC | 2997971 | 1P CONNE L=450 | N711 | MD06351 | DEFLECTION PWB SHIELD COVER TC-30 |
| EVGB | EF08811 | CO-01C-F 0R0-351-1015 | N712 | MD06361 | DEFLECTION PWB SHIELD PLATE SPTE |
| EVGG | EF08811 | CO-01C-F 0R0-351-1015 | N803 | 4340676 | HEATSINK A6MM |
| EVGR | EF08811 | CO-01C-F 0R0-351-1015 | N853 | 4340676 | HEATSINK A6MM |
| EZC | 2973864S | CON-SEH08C-C1007A751 | N8A3 | 4340676 | HEATSINK A6MM |
| EZV | 2973744S | 4J CONNE. L=750 | NC01 | 3442022 | SOUND HEAT SINK 2CH |
| FE91 | 2721351 | FUSE HOLDER | NCPTB | MD06161 | CPT PWB SHIELD DP06A TC-30 |
| G801 | CJ00071R | SPARK GAP AG15PC-152FS-K2M | | | |

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|---|---|---|---|---|---|
| NCPTG | MD06161 | CPT PWB SHIELD DP06A TC-30 | PJIG3 | 2959052 | PIN POST (PH 3P) |
| NCPTR | MD06161 | CPT PWB SHIELD DP06A TC-30 | PL | 2903545 | 5P PLUG PIN WITH BASE |
| NE24 | 4340676 | HEATSINK A6MM | PMB | ED01597U | PLUG CP-06BP5R0VU-TBL#3,5N |
| NE24S | 9414017 | SILICONE COMPOUND(G-746) | PMG | ED01597U | PLUG CP-06BP5R0VU-TBL#3,5N |
| NE25 | 4340676 | HEATSINK A6MM | PMR | ED01597U | PLUG CP-06BP5R0VU-TBL#3,5N |
| NF01 | MA01271 | HEAT SINK TC30 H=25 TC-30 | PMU1 | 2959063 | CONNECTOR POST PIN 13P |
| NF91 | MA01291 | POWER SUPPLY PWB HEATSINK DP0X A1100P-H14 | PMU2 | 2959053 | 5P POST PIN 4P TYPE PH |
| NF95 | MA01271 | HEAT SINK TC30 H=25 TC-30 | PMU3 | 2959058 | PINPOST 9P PH |
| NF96 | MA01271 | HEAT SINK TC30 H=25 TC-30 | PMU4 | 2959052 | PIN POST (PH 3P) |
| NF97 | MA01271 | HEAT SINK TC30 H=25 TC-30 | PP1 | 2663821 | 2P SUB MINI PLUG PIN |
| NH01 | MA01082 | POWER HEAT SINK METAL(A)DP0X A1100P-H14 | PQD1 | ED02801 | 11.88MM PITCH 2P PLUG B02B-VT |
| NH03 | KL00051 | IC SPRING | PQD2 | ED00386 | PLUG 7P LOCK 2.5MM JST |
| NH04 | 2786301 | TRANSISTOR SPACER (TO-3P) | PQS1 | ED00389 | PLUG 10P LOCK 2.5MM JST |
| NH05 | 2786282 | MICA SHETT (T0-3P) | PQS2 | ED00391 | PLUG 11P LOCK 2.5MM JST |
| NH11 | NJ04871 | FBT HOLDER DP0X PS UL94V-0 | PQS4 | ED01852 | PLUG 5289-3A |
| NK01 | MA01271 | HEAT SINK TC30 H=25 TC-30 | PQU1 | ED00385 | PLUG 6P LOCK 2.5MM JST |
| NK02 | MA01271 | HEAT SINK TC30 H=25 TC-30 | PQU2 | ED00387 | PLUG 8P LOCK 2.5MM JST |
| NK05 | MC00481 | CONV. HEAT SINK DP06A A6063S-T5 | PR | 2903544 | 4P PLUG PIN WITH BASE |
| NK10 | 3813121 | LEAD CLAMPER 2135 PA | PRV | 2661751 | 2P PLUG PIN WITH BASE |
| NM71 | 3816161 | G9 EE HOLDER (S) | PS1 | 2959058 | PINPOST 9P PH |
| NM72 | NJ01171 | LED HOLDER A5WS | PS2 | 2959059 | PLUG PH PIN POST 10P |
| NP9A | MA01071 | HEAT SINK DP85 (C) A1100P-H14 | PS3 | 2959055 | CONNECTOR-6P(PH) |
| NPF1 | 9451138 | UL FR-1 TUBE NO.3 | PSD1 | ED01471U | PLUG 07BP1R2HUTWGP-A1 |
| NPF2 | 3763751 | SK BINDER | PSD1 | ED01491U | CONNECTOR 07BS1R2VUTWGX-A1 |
| NS13 | MA01271 | HEAT SINK TC30 H=25 TC-30 | PSD2 | ED01471U | PLUG 07BP1R2HUTWGP-A1 |
| NS15 | MC00135 | SURROUND HEAT SINK W=60 A6063S-T5 | PSD2 | ED01491U | CONNECTOR 07BS1R2VUTWGX-A1 |
| NS16 | MC00135 | SURROUND HEAT SINK W=60 A6063S-T5 | PSD3 | ED01473U | PLUG 13BP1R2HUTWGP-A1 |
| P801 | 2903543 | 3P PLUG PIN WITH BASE | PSD3 | ED01493U | CONNECTOR 13BS1R2VUTWGX-A1 |
| P802 | 2661756 | 1P PLUG PIN WITH BASE | PST1 | ED00516 | CP-TAC-L20P-A1 |
| P851 | 2903543 | 3P PLUG PIN WITH BASE | PST1 | ED00576 | CP-TAC-L20X-A1 |
| P852 | 2661756 | 1P PLUG PIN WITH BASE | PST2 | ED00516 | CP-TAC-L20P-A1 |
| P8A1 | 2903543 | 3P PLUG PIN WITH BASE | PST2 | ED00576 | CP-TAC-L20X-A1 |
| P8A2 | 2661756 | 1P PLUG PIN WITH BASE | PST3 | ED00516 | CP-TAC-L20P-A1 |
| ⚠ PA | ED01851 | PLUG 5289-2A | PST3 | ED00576 | CP-TAC-L20X-A1 |
| PBV | 2661751 | 2P PLUG PIN WITH BASE | PSU1 | ED00516 | CP-TAC-L20P-A1 |
| PCB | 2903544 | 4P PLUG PIN WITH BASE | PSU1 | ED00576 | CP-TAC-L20X-A1 |
| PCG | 2903544 | 4P PLUG PIN WITH BASE | PSU2 | ED00516 | CP-TAC-L20P-A1 |
| PCL | 2903543 | 3P PLUG PIN WITH BASE | PSU2 | ED00576 | CP-TAC-L20X-A1 |
| PCR | 2903543 | 3P PLUG PIN WITH BASE | PSZ1 | ED00516 | CP-TAC-L20P-A1 |
| PCR | 2903544 | 4P PLUG PIN WITH BASE | PSZ1 | ED00576 | CP-TAC-L20X-A1 |
| PCV | 2902264 | PLUG PIN SUB MINI 5P | PSZ2 | ED00516 | CP-TAC-L20P-A1 |
| PDC | ED00565 | CP-TAC-L09X-A1 | PSZ2 | ED00576 | CP-TAC-L20X-A1 |
| PDC1 | ED00384 | PLUG 5P LOCK 2.5MM JST | PTSB | 2663821 | 2P SUB MINI PLUG PIN |
| PDF | ED01596U | PLUG CP-04BP5R0VU-TBL#2,3N | PTSG | 2663821 | 2P SUB MINI PLUG PIN |
| PDG | ED00572 | CP-TAC-L15X-A1 | PTSR | 2663821 | 2P SUB MINI PLUG PIN |
| PDS | ED00565 | CP-TAC-L09X-A1 | PVC1 | 2661756 | 1P PLUG PIN WITH BASE |
| PDS1 | 2959062 | PIN POST (PH 12P) | PVC2 | 2661756 | 1P PLUG PIN WITH BASE |
| PFC | 2902263 | PLUG PIN SUB MINI 4P | PVMB | 2902263 | PLUG PIN SUB MINI 4P |
| PFC1 | ED01782 | PLUG 22P-HQM-1 | PVMG | 2902263 | PLUG PIN SUB MINI 4P |
| PFS | 2902248 | PLUG PIN SUB MINI9P | PVMR | 2902263 | PLUG PIN SUB MINI 4P |
| PFS | 2902268 | PLUG PIN SUB MINI 9P | PVS1 | 2903543 | 3P PLUG PIN WITH BASE |
| PFT | 2902251 | 11P PLUG PIN | PYC1 | ED00572 | CP-TAC-L15X-A1 |
| PGS3 | ED01852 | PLUG 5289-3A | PZC | 2902247 | PLUG PIN SUB MINI 8P |
| PGV | 2661751 | 2P PLUG PIN WITH BASE | PZC | 2902267 | PLUG PIN SUB MINI 8P |
| PJIG1 | 2902262 | PLUG PIN SUB MINI 3P | PZV | 2902243 | PLUG PIN SUB MINI 4P |
| PJIG2 | 2902262 | PLUG PIN SUB MINI 3P | PZV | 2902263 | PLUG PIN SUB MINI 4P |

PRODUCT SERVICE NOTE: Components marked with a ⚠ have special characteristics important to safety. Before replacing any of these components, read carefully, the PRODUCT SAFETY NOTICE of this Service Manual. Don't degrade the safety of the receiver through improper servicing.

| SYMBOL NO. | PART NO. | PART DESCRIPTION |
|---|---|---|
| V1B | DE01327 | CRT P16LFM00 RFA LU |
| V1G | DE01328 | CRT P16LFM00 HHA LU |
| V1R | DE01326 | CRT P16LFM00 BMB E |
| W601 | 9374735 | WIRE UL1007 7/0.26 SN GREEN |
| W801 | EK00061 | WIRE (PROCESSED) |
| W802 | 2692463 | CONNECTOR FOR FOCUS |
| W851 | EK00061 | WIRE (PROCESSED) |
| W852 | 2692463 | CONNECTOR FOR FOCUS |
| W8A1 | EK00062 | WIRE (PROCESSED) FOR SCREEN |
| W8A2 | 2692464 | CO-01C-N0R0-821FOCUS |
| WJ01 | 9374575 | UL CSA1007-24HP CODE GREEN |
| WJ02 | 9374575 | UL CSA1007-24HP CODE GREEN |
| WJ04 | 9374575 | UL CSA1007-24HP CODE GREEN |
| WJ05 | 9374575 | UL CSA1007-24HP CODE GREEN |
| ZP15 | 9563445 | EXCEED GLASS TUBE HG-2E 3.5 |
| | | **OWNER ACCESSORIES** |
| E203 | FQ00021 | BATTERY(R6P-AA) |
| E301 | HL01322 | RCT CLU-572TSI - REMOTE CONTROL |
| N201 | QR45291 | DP06 INST.BOOK #1(ENG) |
| N201 | QR45301 | DP06 INST.BOOK #1(FRN) |
| N203 | H462871 | V-CHIP GUIDE DP0X |

| SYMBOL NO. | PART NO. | PART DESCRIPTION |
|---|---|---|
| | | EXPLODED VIEW PARTS LIST |
| 1 | PH08418 | CONTROL PANEL ASSY |
| 2 | NA11701 | LENS/CRT METAL AP7 SECC20/20E |
| 3 | KS02021 | '99 53" MODELS MIRROR |
| 3 | KS00163 | MIRROR GLASS (60SX72B/73K) GLASS |
| 4 | 33010262 | BARRIER BOARD 50" |
| 4 | 33010359 | BARRIER BOARD 60" |
| 5 | QG00814 | REAR COVER ASS'Y AP93-53 |
| 5 | QG00831 | 60SBX REAR COVER ASS'Y |
| 6 | 55020073 | FRONT DOOR ASSY |
| 7 | 33200071 | BACK CENTER BAR (53") |
| 7 | 33200073 | BACK CENTER BAR 60" |
| 8 | H512264 | LOWER REAR BOARD (53") |
| 8 | H512264 | LOWER REAR BOARD (61") |
| 9 | PH06772 | SPEAKER GRILLE 53SDX89B |
| 9 | PH06892 | SPEAKER GRILLE 61SDX |
| 10 | NA11681 | MIRROR METAL AP7 A SECC20/20E |
| 11 | NA11691 | MIRROR METAL AP7 B SECC20/20E |
| 12 | KR01167 | 53SDX SCREEN ASSY |
| 12 | KR01161 | SCREEN ASS'Y AP94/03 61 |
| 13 | NT01395 | AP9* 53INCH FRAME ASY |
| 13 | NT01396 | AP9* 61INCH FRAME ASY |
| 14 | PH07002 | PAINT ASS'Y 53" BOTTOM RAIL |
| 14 | PH07042 | PAINT ASS'Y 61 BOTTOM RAIL |
| 15 | UE07891 | SBA-LFM 53# LC B.ASY(R) |
| 15 | UE07894 | SBB-LFM 61# LC B.ASY(R) |
| 16 | UE07892 | SBA-LFM 53# LC B.ASY(G) |
| 16 | UE07895 | SBB-LFM 61# LC B.ASY(G) |
| 17 | UE07893 | SBA-LFM 53# LC B.ASY(B) |
| 17 | UE07896 | SBB-LFM 61# LC B.ASY(B) |
| 18 | KQ00561K | SBA LENS S.ASY RG |
| 19 | KQ00561K | SBA LENS S.ASY RG |
| 20 | KQ00562K | SBA LENS S.ASY B |

# QUICK REFERENCE PARTS LIST

| DP06 IC & UNIT | | | | | |
|---|---|---|---|---|---|
| NO. | SYMBOL | PART NO. | DESCRIPTION | FUNCTION | PWB |
| 1 | EANT | HP00771 | ANT SW | ANTENNA SWITCH BOX | M CHASS |
| 2 | HM01 | CZ00941 | IC RPM6938-H5 | IRRECEIVER | CONTROL |
| 3 | I001 | CP07162U | IC MN102H51KHP | TVMICROMICROPROCESSOR | SIGNAL |
| 4 | I002 | CK32542R | DIGITAL MONOLITHIC IC (M24C16-WMN6T) | E2PROM | SIGNAL |
| 5 | I003 | CK31071R | IC CXA1875AM | DIGITAL ANALOG CONVERTER | SIGNAL |
| 6 | I004 | CK31071R | IC CXA1875AM | DIGITAL ANALOG CONVERTER | SIGNAL |
| 7 | I005 | CK31992R | IC BU4053BCF-E2 | MAIN-SUB SELECTOR | SIGNAL |
| 8 | I006 | CP06941R | IC PST994I | RESET IC (+3.3V) | SIGNAL |
| 9 | I007 | CP05572 | ANALOG MONOLITHIC IC (BA17809) | +9V REGULATOR | SIGNAL |
| 10 | I008 | CP05571 | IC BA17805 | +5V REGULATOR | SIGNAL |
| 11 | I009 | CP05163F | IC REG.(SI-3090F) | +9V REGULATOR | SIGNAL |
| 12 | I010 | CP05162F | IC REG.(SI-3050F) | *5V REGULATOR | SIGNAL |
| 13 | I011 | CP06581U | IC LF25CV | +2.5V REGULATOR | SIGNAL |
| 14 | I012 | CP04232 | ANALOG MONOLITHIC IC BA033T | +3.3V REGULATOR | SIGNAL |
| 15 | I014 | CK34051R | IC TC74HCT245AF | +3.3V->+5.0V LEVEL SHIFT | SIGNAL |
| 16 | I015 | 2004781 | ICL-LA7213 | COMPONENT 1 SYNC. SEPARATOR IC | SIGNAL |
| 17 | I016 | 2004781 | ICL-LA7213 | COMPONENT 2 SYNC. SEPARATOR IC | SIGNAL |
| 18 | I201 | CK07923U | IC TA1270BF | MAIN VIDEO CHROMA | SIGNAL |
| 19 | I202 | CK31992R | IC BU4053BCF-E2 | MAIN SYNC. SELECTOR | SIGNAL |
| 20 | I203 | 2015452R | IC HD74HC04FPEL | SYNC. INVERTER | SIGNAL |
| 21 | I205 | CK08521R | ANALOG MONOLITHIC IC (BA7657F-E2) | MAIN YCBCR SELECTOR | SIGNAL |
| 22 | I207 | 2004781 | ICL-LA7213 | SYNC. SEPARATOR | SIGNAL |
| 23 | I401 | CK30941U | ANALOG MONOLITHIC IC(CXA2069Q) | AUDIO/VIDEO SELECTOR | TERMINAL |
| 24 | I402 | CW00022 | COMB FILTER (337KNT) | 2 LINE Y/C SEPARATION IC (SUB) | TERMINAL |
| 25 | I403 | CK07923U | IC TA1270BF | VIDEO CHROMA IC (SUB) | TERMINAL |
| 26 | I404 | CK08521R | ANALOG MONOLITHIC IC (BA7657F-E2) | NTSC/COMPONENT SELECTOR (SUB) | TERMINAL |
| 27 | I405 | CK31992R | IC BU4053BCF-E2 | NTSC/COMPONENT SYNC. SEL.(SUB) | TERMINAL |
| 28 | I406 | CK32711R | IC BA7609F | COMPONENT 1/2 SELECTOR (MAIN) | TERMINAL |
| 29 | I407 | CK32711R | IC BA7609F | COMPONENT 1/2 SELECTOR (SUB) | TERMINAL |
| 30 | I408 | 2004781 | ICL-LA7213 | COMPONENT 1/2 SYNC. SEP. (SUB) | TERMINAL |
| 31 | I409 | 2382742R | ICC-SC7S04F | INVERTER (SUB) | TERMINAL |
| 32 | I601 | CP06891 | IC TDA8174A | VERTICAL OUTPUT | DEFLECTION |
| 33 | I651 | 2365452 | IC NJM2903D | HOR. SIZE | DEFLECTION |
| 34 | I701 | CP06551 | IC TA1300AN | DEFLECTION CONT.(31.5/33.75KHz) | DEFLECTION |
| 35 | I901 | CZ00864 | IC STR-F6626(LF1352) | SWITCHINGREGULATOR | POWER |
| 36 | I902 | 2000465 | IC PS2501-1 (KC/LC) | OPTO. ISOLATOR | POWER |
| 37 | I903 | 2000465 | IC PS2501-1 (KC/LC) | OPTO. ISOLATOR | POWER |
| 38 | I904 | 2000465 | IC PS2501-1 (KC/LC) | OPTO. ISOLATOR | POWER |
| 39 | I905 | CP03922F | ANALOG MONOLITHIC IC (SI-8050S) | +7V VOLTAGE REGULATOR | POWER |
| 40 | I906 | CP03923F | ANALOG MONOLITHIC IC (SI-8090S) | +11V VOLTAGE REGULATOR | POWER |
| 41 | I907 | CP03922F | ANALOG MONOLITHIC IC (SI-8050S) | +5V VOLTAGE REGULATOR | POWER |
| 42 | I908 | CP03924F | IC SI-8120S | +12V VOLTAGE REGULATOR | POWER |
| 43 | IC01 | 2004751 | IC TA8200AH | FRONT AUDIO AMPLIFIER | SIGNAL |
| 44 | IH02 | CP07091 | IC M62501P | HIGH VOLTAGE DETECT/REGULATOR | DEFLECTION |
| 45 | IK01 | CP05571 | IC BA17805 | VOLTAGE REGULATOR IC (+5V) | DEFLECTION |
| 46 | IK02 | CP01631R | ICL-PST9142 | CONVERGENCE MUTE IC (DCU) | DEFLECTION |
| 47 | IK03 | CP05571 | IC BA17805 | VOLTAGE REGULATOR IC (+5V) | DEFLECTION |
| 48 | IK04 | CZ00431 | HYBRID IC (STK392-110) | CONVERGENCEAMPLIFIERIC. | DEFLECTION |
| 49 | IK05 | CZ00431 | HYBRID IC (STK392-110) | CONVERGENCEAMPLIFIERIC. | DEFLECTION |
| 50 | IP01 | CZ00865 | STR-F6629B(LF1351) | SWITCHING REGULATOR IC | DEFLECTION |
| 51 | IP02 | CP05141 | ANALOG MONOLITHIC IC (PQ6RD083) | VOLTAGE REGULATOR IC (HEATER) | DEFLECTION |
| 52 | IP03 | 2381349 | HYBRID IC (SE120N:+B CONT.) | +B REGULATOR IC | DEFLECTION |
| 53 | IP04 | 2000465 | IC PS2501-1 (KC/LC) | OPTO. ISOLATOR IC | DEFLECTION |
| 54 | IS01 | CK31071R | IC CXA1875AM | DIGITAL ANALOG CONVERTER IC | SURROUND |
| 55 | IS02 | CK33801R | IC NJM2068F | INVERTER BUFFER IC (AUDIO) | SURROUND |
| 56 | IS03 | CK33691R | IC TDA7309 | FRONT VOLUME CONTROL IC | SURROUND |
| 57 | IS04 | CK33801R | IC NJM2068F | BUFFER (AUDIO) | SURROUND |
| 58 | IS05 | CP06901U | IC TDA7317 | GRAPHIC EQUALIZER IC (FRONT) | SURROUND |
| 59 | IS06 | CK33801R | IC NJM2068F | INVERTER AMPLIFIER (10.5 dB) | SURROUND |
| 60 | IS07 | CK33801R | IC NJM2068F | INVERTER AMPLIFIER (4.5 dB) | SURROUND |
| 61 | IS08 | CK33691R | IC TDA7309 | CENTER/SUB VOL. CONTROL | SURROUND |
| 62 | IS09 | CK33801R | IC NJM2068F | BUFFER (AUDIO) | SURROUND |
| 63 | IS10 | CP06901U | IC TDA7317 | GRAPHIC EQUALIZER IC (CENTER) | SURROUND |
| 64 | IS11 | CK33691R | IC TDA7309 | REAR VOLUME CONTROL IC | SURROUND |
| 65 | IS12 | CK33801R | IC NJM2068F | AUDIO AMPLIFIER IC (+6 dB) | SURROUND |
| 66 | IS13 | CP05162F | IC REG.(SI-3050F) | VOLTAGE REGULATOR IC (+5V) | SURROUND |
| 67 | IS15 | 2004751 | IC TA8200AH | CENTER AUDIO AMPLIFIER IC | SURROUND |
| 68 | IS16 | 2004751 | IC TA8200AH | REAR AUDIO AMPLIFIER IC | SURROUND |
| 69 | IS17 | CK32011R | IC TC74HC151AF | DIGITAL AUDIO INPUT SELECTOR | SURROUND |
| 70 | IS18 | CK34031R | IC TC74HCU04AF | COAXIAL DIGITAL AUDIO INVERTER | SURROUND |
| 71 | IS19 | CP02601 | AN5285K | PERFECTVOLUMEIC | SURROUND |
| 72 | IS20 | CK33801R | IC NJM2068F | AUDIO AMPLIFIER IC (-3 dB) | SURROUND |
| 73 | IX01 | CP05662U | IC TA1298AN | RGBPROCESSORIC | 2H VIDEO |
| 74 | IX02 | CK32711R | IC BA7609F | YCBCR/YIQ SELECTOR IC | 2H VIDEO |
| 75 | U201 | HC00311 | TUNER UNIT V6-A30FT | MAIN TUNER | SIGNAL |
| 76 | U202 | HC00401 | PIP V8-A68CT | SUB TUNER | SIGNAL |
| 77 | U204 | HP00705 | KC-301S(3DYC SEP UNIT) | 3D Y/C UNIT COMB FILTER | SIGNAL |
| 78 | U205 | CS00491 | FC UNIT ASY (HC5611) | FLEX CONV. UNIT (4:3) / PIP | SIGNAL |
| 79 | UKDG | CS00451 | HC2151 DIGI CON UNIT ASY | DIGITAL CONVERGENCE UNIT | DEFLECTION |
| 80 | US01 | CS00481 | DSP UNIT(HC4051) ASY | DIGITAL SOUND PROCESSOR UNIT | SURROUND |

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